
U.S. COAST GUARD



SMALL PASSENGER VESSEL INSPECTOR (TI)

PERFORMANCE AND QUALIFICATION STANDARD



Marine Inspection and Investigation School
Training Center Yorktown

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Small Passenger Vessel Inspector Performance and Qualification Standard

Competency Code: TI

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 M1500.10C
- (d) Safety and Environmental Health Manual, COMDTINST 5100.47A

This Performance and Qualification Standard (PQS) workbook is your On the Job Training (OJT) performance checklist for certification as a Small Passenger Vessel “T” (T-boat) Inspector. 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 C in this workbook.

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

This PQS workbook contains the necessary tasks and steps for a TI to conduct an Inspection for Certification and drydock examination. The TI qualification is one of eleven Marine Inspector competencies. Those members who will be conducting inspections on T-boats are required to complete all tasks and steps in this PQS workbook. Certain tasks associated with inspections on specialized T-boats (i.e. international, sail, wood, etc.) were intentionally separated from this baseline qualification in order to streamline the national certification process and limit the need to defer tasks. To qualify for an endorsement to inspect specialized T-boats you will be required to complete the specific tasks and steps associated with that particular type of T-boat, which are incorporated in the following addendum workbooks:

DCN: MPS-PQS-TCY-TII – International

DCN: MPS-PQS-TCY-TIS – Sail

DCN: MPS-PQS-TCY-TIW – Wood

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.

Ideally, all steps and tasks within the PQS workbook shall be required to be completed prior to obtaining the TI competency. 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).

A Certification Board should only be completed after all the tasks and steps are signed by a VO. Upon satisfactory completion of the board, a Letter of Certification/Designation will be issued and the **Unit Training Coordinator should enter the certification in Training Management Tool (TMT).**

Appendices:

- A. List of additional references
- B. Glossary
- C. Inspection Log

RATE/ RANK	SIGNATURE/ PRINT NAME	EMPLID	INITIALS	UNIT
REMARKS:				

RECORD OF COMPLETION		
Training Prerequisites	Date	Training Coordinator's Signature
A. Assign TI competency in TMT		
B. Completion of the following resident and on-line courses:		
1. Marine Inspector Course (501869); <i>and</i>		
2. Introduction to Confined Space Entry and Shipyard Competent Person for Marine Inspection/Port State Control (100028)		
C. Completion of this PQS Workbook		
D. Successful completion of final assessment under the observation of the Verifying Officer		
E. Successful completion of the final board by TICB		
TICB Members Present for Board:		
F. Certification/Designation Letter submitted for approval		
G. Once Certification/Designation Letter is signed make appropriate entries in TMT		
REMARKS:		

Task Number	Task Description	Date Completed
TI-PI01	Research vessel details in MISLE (Marine Information for Safety and Law Enforcement) database	
TI-PI02	Coordinate inspection with vessel's representative	
TI-PI03	Mitigate potential hazards encountered during an inspection	
TI-DA01	Conduct initial vessel visual examination	
TI-CD01	Review Certificate of Inspection (COI)	
TI-CD02	Verify vessel's stability letter	
TI-CD03	Review Merchant Mariner Credentials (MMCs)	
TI-CD04	Verify compliance with drug and alcohol program	
TI-CD05	Examine maintenance and service records (liferrafts & firefighting)	
TI-CD06	Verify compliance with the Small Vessel General Permit (sVGP) / Vessel General Permit (VGP)	
TI-CD07	Examine muster lists and emergency instructions	
TI-CD08	Review Certificate of Documentation (COD)	
TI-CD09	Verify Federal Communications Commission Marine Radio Operator Permit	
TI-CD10	Review Federal Communications Commission Bridge-to-Bridge Certificate	
TI-CD11	Review Federal Communications Commission Station License	
TI-CD12	Review Federal Communications Commission Safety Radiotelephony Certificate	
TI-LM01	Review vessel's log	
TI-LM02	Examine Waste/Garbage Management Plan	
TI-BN01	Verify operations of internal communication and control systems	
TI-BN02	Inspect radar(s)	
TI-BN03	Inspect magnetic compass	
TI-BN04	Inspect electronic position-fixing device (satellite navigation (GPS) receiver)	
TI-BN05	Verify radio telephone equipment	
TI-BN06	Inspect navigation and signaling lights, and dayshapes	
TI-BN07	Inspect sound signaling devices	
TI-BN08	Verify navigational publications and nautical charts	
TI-BN09	Inspect steering system controls at operating station	

Task Number	Task Description	Date Completed
TI-BN10	Inspect alarms and gauges at operating station	
TI-GH01	Inspect accommodations	
TI-GH02	Inspect means of escape from accommodation, machinery and other spaces	
TI-GH03	Inspect mess deck and galley spaces	
TI-GH04	Inspect paint locker(s)	
TI-LS01	Inspect Emergency Position Indicating Radio Beacon (EPIRB)	
TI-LS02	Inspect distress signals	
TI-LS03	Inspect life jackets	
TI-LS04	Inspect life buoys	
TI-LS05	Inspect inflatable liferaft & inflatable buoyant apparatus installations	
TI-LS06	Inspect lifefloat installations	
TI-LS07	Inspect rescue boat	
TI-LS08	Inspect launching appliance(s)	
TI-LS09	Inspect buoyant apparatus	
TI-FF01	Inspect fire main and pump	
TI-FF02	Inspect fire stations	
TI-FF03	Inspect portable fire extinguishers	
TI-FF04	Inspect semi-portable firefighting equipment	
TI-FF05	Inspect fire axes	
TI-FF06	Inspect high pressure CO2 system(s)	
TI-FF07	Inspect pre-engineered fixed gas fire extinguishing systems	
TI-FF08	Inspect fire and smoke detection systems	
TI-FF09	Inspect fire buckets	
TI-FF10	Verify structural fire protection on fiberglass hull	
TI-MI01	Inspect steering gear	
TI-MI02	Inspect fuel oil service system	
TI-MI03	Inspect main propulsion system(s)	
TI-MI04	Inspect unfired pressure vessels (UPVs)	
TI-MI05	Inspect bilge system	

Task Number	Task Description	Date Completed
TI-MI06	Inspect (wet & dry) exhaust system(s)	
TI-MI07	Inspect auxiliary boiler(s)	
TI-ES01	Inspect switchboard(s)	
TI-ES02	Inspect main service generator(s) and prime mover(s)	
TI-ES03	Inspect lighting systems	
TI-ES04	Inspect battery installation	
TI-ES05	Inspect electrical cable and fixtures	
TI-ES05	Inspect electrical cable and fixtures	
TI-ES06	Inspect components installed in designated hazardous areas	
TI-ST01	Witness simplified stability proof test	
TI-ST02	Witness pontoon simplified stability test	
TI-ST03	Witness deadweight survey with or without inclining	
TI-ST04	Verify drainage requirements	
TI-ST05	Verify simplified subdivision	
TI-SW01	Inspect hatches and Class-1 watertight doors	
TI-SW02	Inspect Class 2 & 3 watertight doors	
TI-SW03	Inspect watertight bulkhead penetrations	
TI-SW04	Inspect hull structure	
TI-PP01	Inspect sewage system	
TI-PP02	Conduct garbage handling (MARPOL Annex V) survey	
TI-PP03	Review Small Vessel General Permit (sVGP) / Vessel General Permit (VGP) compliance verification	
TI-TE01	Examine freeing ports and scuppers	
TI-TE02	Examine ground tackle, mooring lines and related equipment	
TI-TE03	Inspect port lights, dead covers and natural vent openings	
TI-TE04	Inspect fuel tank venting	
TI-TE05	Inspect rails and guards	
TI-ED01	Evaluate Fire Drill	
TI-ED02	Evaluate Man Overboard Drill	
TI-ED03	Evaluate abandon ship drill	

Task Number	Task Description	Date Completed
TI-HI01	Inspect steel & aluminum hull	
TI-HI02	Inspect tailshaft(s), stern bearing(s) and propeller(s)	
TI-HI03	Inspect the rudder installation	
TI-HI04	Inspect hull appendages	
TI-HI05	Inspect anchor chain(s)	
TI-HI06	Inspect sea valve(s)	
TI-HI07	Verify if vessel qualifies to participate in the USCG's underwater survey program (UWILD)	
TI-HI08	Inspect hull during an underwater survey	
TI-HI09	Inspect fiberglass external hull	
TI-HI10	Inspect fiberglass internal hull	
TI-HI11	Evaluate fiberglass repair(s)	
TI-IS01	Verify confined spaces are safe for entry	
TI-IS02	Inspect internal structures	
TI-NT01	Verify nondestructive testing (NDT) using the liquid (dye) penetrant method	
TI-NT02	Verify suspected surface for satisfactory condition by nondestructive testing (NDT) using the magnetic particle method	
TI-NT03	Verify suspected surface for satisfactory condition by nondestructive testing (NDT) using the radiography (gamma rays or x-rays) method	
TI-NT04	Verify suspected surface(s) for satisfactory condition by nondestructive testing (NDT) using the ultrasonic method	
TI-NT05	Verify nondestructive testing (NDT) using the hydro-static method	
TI-NT06	Verify nondestructive testing (NDT) using the pneumatic (air test) method	
TI-WR01	Evaluate steel & aluminum structural repair proposals	
TI-WR02	Inspect aluminum fit-up	
TI-WR03	Inspect steel fit-up	
TI-WR04	Inspect welds for defects	
TI-WR05	Inspect back gouge	
TI-FU01	Issue deficiencies	
TI-FU02	Issue/endorse vessel's certificates	
TI-FU03	Complete MISLE Activity	

Task Number	Task Description	Date Completed
TI-FU04	Verify deficiency corrections	
TI-FU05	Ensure completion of drydock exam	

T-Boat Inspector (TI)

Certificate of Inspection

Pre-Inspection (PI)

Small Passenger Vessel (T)

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

Condition: *During preparation for inspection*

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

- References:**
1. Title 46, United States Code § 3301 Vessels Subject to Inspection
 2. Title 46, Code of Federal Regulations Part 175 SPV-T - General Provisions
 3. COMDTINST M16000.6 Marine Safety Manual Volume I Administration & Management
 4. MPS-PR-SEC-04 Preparing for Inspections and Examinations

Steps		References	Initials
PI01.1	Locate vessel	MSM I/12.G.5	
PI01.2	Review particulars	MPS-PR-SEC-04	
PI01.3	Verify documents are current	MSM I/12.G.2	
PI01.4	Review history (narratives, deficiencies & special notes)	MSM I/12.G.2 MSM I/12.G.7	
PI01.5	Verify user fees	MSM I/12.G.2	
PI01.6	Enter title and point(s) of contact	MSM I/12.G.2.a	
PI01.7	Generate new activity	MSM I/12.G.2.a	
PI01.8	Determine authority, jurisdiction and applicable regulations	46 USC 3301 46 CFR 175.110 46 CFR 175.112	

Verifying Officer Guidance:

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

T-Boat Inspector (TI)**Certificate of Inspection****Pre-Inspection (PI)****Small Passenger Vessel (T)**

Task: TI-PI02 Coordinate inspection with vessel's representative

Condition: *During preparation for inspection*

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

References:

1. Title 46, Code of Federal Regulations Part 176 SPV-T - Inspection & Certification
2. COMDTINST M16000.7B Marine Safety Manual Volume II Material Inspection Ch-2
3. MPS-PR-SEC-01 Scheduling Domestic Vessel Inspections
4. MPS-PR-SEC-04 Preparing for Inspections 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 176.800 MSM II/B.3.A	
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	Discuss outstanding conditions and/or CG-835s	MPS-PR-SEC-04	
PI02.7	Review planned repairs and alterations	46 CFR 176.700	

Verifying Officer Guidance: *The trainee shall also have a working knowledge of the Coast Guard's Mission Management System (MMS) processes and procedures as they relate to small passenger vessels.*

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

EMPLID:

Verifying Officer's Signature:

Date:

T-Boat Inspector (TI)**All Inspections****Pre-Inspection (PI)****Small Passenger Vessel (T)**

Task: TI-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, 2009
 5. Gas Alert Quattro Gas Detector Operator's Manual

Steps		References	Initials
PI03.1	Recognize potential hazards encountered during inspection	NFPA 306 29 CFR 1915.4	
PI03.2	Determine confined spaces	MSM I/10 App.A	
PI03.3	Determine if exam scope will require a Marine Chemist certification for space entry	29 CFR 1915, Part 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 Quattro 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:

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

EMPLID:

Verifying Officer's Signature:

Date:

T-Boat Inspector (TI)**Certificate of Inspection****Dockside Assessment (DA)****Small Passenger Vessel (T)**

Task: TI-DA01 Conduct initial vessel visual examination

Condition: While observing the vessel from dock or anchorage (upon arrival)

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. Title 33, Code of Federal Regulations Part 151 Vessels Carrying Oil, NLS, Garbage, Municipal or Commercial Waste & Ballast Water
 3. Title 33, Code of Federal Regulations Part 155 Oil or Hazardous Material Pollution Prevention Regulations for Vessels
 4. Title 46, Code of Federal Regulations Part 67 Documentation of Vessels
 5. Title 46, Code of Federal Regulations Part 184 SPV-T - Vessel Control & Miscellaneous Systems & Equipment
 6. Title 46, Code of Federal Regulations Part 185 SPV-T - Operations

Steps		References	Initials
DA01.1	Verify presence of anchor(s) (when visible)	46 CFR 184.300	
DA01.2	Verify draught (draft) marks	46 CFR 185.602	
DA01.3	Verify name and hailing port	46 CFR 185.602 46 CFR 67.123	
DA01.4	Evaluate hull for signs of pollution/illegal discharge	33 CFR 151.10 33 CFR 155.330 33 CFR 155.350	
DA01.5	Evaluate hull condition	46 CFR 176.802	
DA01.6	Examine means of embarkation (gangway/ladders)	29 CFR 1915.74(a)(6)	
DA01.7	Verify condition of mooring lines	46 CFR 184.300	

Verifying Officer Guidance:

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

EMPLID:

Verifying Officer's Signature:

Date:

T-Boat Inspector (TI)**Certificate of Inspection****Certificates and Documents (CD)****Small Passenger Vessel (T)****Task:** TI-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, Code of Federal Regulations Part 15 Manning Requirements
2. Title 46, Code of Federal Regulations Part 176 SPV-T - Inspection & Certification
3. Title 46, Code of Federal Regulations Part 185 SPV-T - Operations
4. COMDTINST M16000.8B Marine Safety Manual Volume III Marine Industry Personnel

Steps		References	Initials
CD01.1	Verify presence of original	46 CFR 176.302	
CD01.2	Verify amendments	46 CFR 176.120	
CD01.3	Verify manning	MSM III/B.2.C 46 CFR 15.501 46 CFR 185.304	
CD01.4	Verify certificate is endorsed	46 CFR 176.500(b)(1)(ii)	

Verifying Officer Guidance: *The trainee shall also demonstrate a working knowledge of COI's nomenclature, purpose and use of information contained therein. It important for the trainee to ensure COI accurately reflects what is required by regulation.*

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

EMPLID:

Verifying Officer's Signature:

Date:

T-Boat Inspector (TI)

Certificate of Inspection

Certificates and Documents (CD)

Small Passenger Vessel (T)

Task: TI-CD02 Verify vessel's stability letter

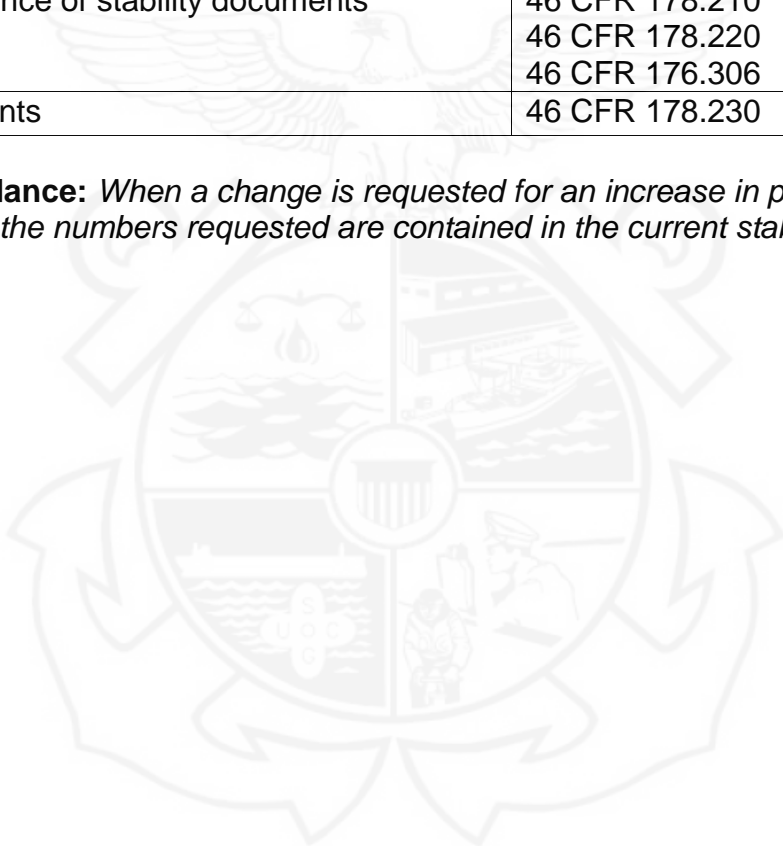
Condition: While validating certificates and documents

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

References: 1. Title 46, Code of Federal Regulations Part 176 SPV-T - Inspection & Certification
 2. Title 46, Code of Federal Regulations Part 178 SPV-T - Intact Stability & Seaworthiness

Steps		References	Initials
CD02.1	Verify presence of stability documents	46 CFR 178.210 46 CFR 178.220 46 CFR 176.306	
CD02.2	Verify contents	46 CFR 178.230	

Verifying Officer Guidance: When a change is requested for an increase in passengers or crew it is important to verify that the numbers requested are contained in the current stability letter.



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

T-Boat Inspector (TI)

Certificate of Inspection

Certificates and Documents (CD)

Small Passenger Vessel (T)

Task: TI-CD03 Review Merchant Mariner Credentials (MMCs)

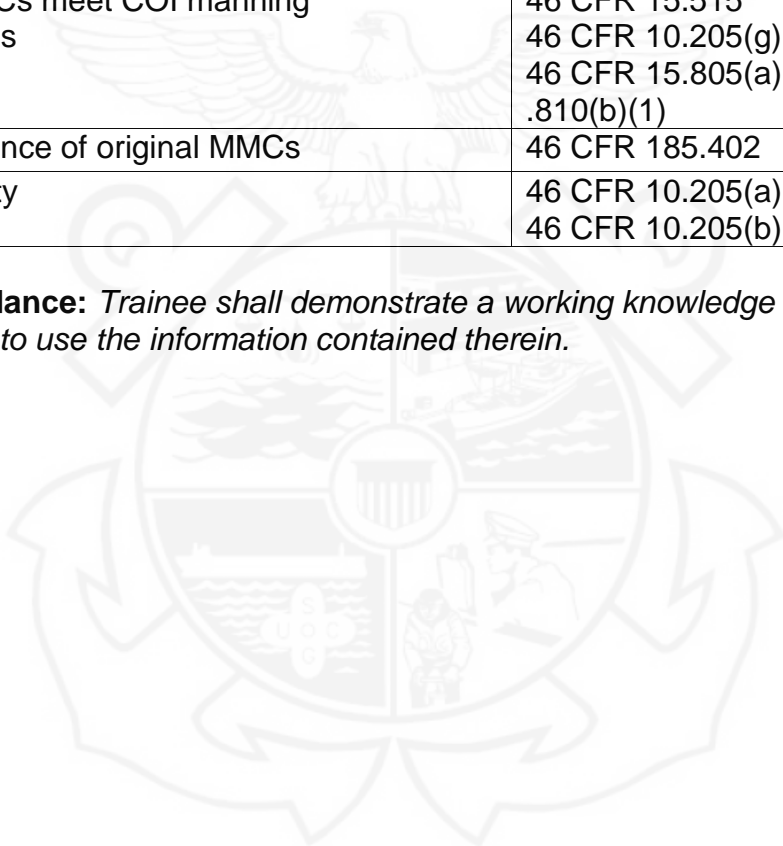
Condition: While validating certificates and documents

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 Part 15 Manning Requirements
 3. Title 46, Code of Federal Regulations Part 185 SPV-T - Operations

Steps		References	Initials
CD03.1	Ensure MMCs meet COI manning requirements	46 CFR 15.515 46 CFR 10.205(g) 46 CFR 15.805(a)(4) & .810(b)(1)	
CD03.2	Verify presence of original MMCs	46 CFR 185.402	
CD03.3	Verify validity	46 CFR 10.205(a) 46 CFR 10.205(b)	

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:

T-Boat Inspector (TI)**Certificate of Inspection****Certificates and Documents (CD)****Small Passenger Vessel (T)**

Task: TI-CD04 Verify compliance with drug and alcohol program

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 4 Marine Casualties & Investigations
2. Title 46, Code of Federal Regulations Part 16 Chemical Testing
3. Title 46, Code of Federal Regulations Part 185 SPV-T - Operations

Steps		References	Initials
CD04.1	Verify currency of Employee Assistance Program (EAP)	46 CFR 16.401	
CD04.2	Verify presence and currency of drug and alcohol testing equipment	46 CFR 185.212 46 CFR 185.210 46 CFR 4.06-15	
CD04.3	Verify training of designated testing crewmember	46 CFR 4.06-20(a)(3) 46 CFR 4.06-20(b)(2)	
CD04.4	Verify random chemical testing program for dangerous drugs	46 CFR 16.230	
CD04.5	Verify pre-employment testing program for dangerous drugs	46 CFR 16.210	
CD04.6	Verify means of post accident testing chemical testing for dangerous drugs	46 CFR 185.210 46 CFR 185.212 46 CFR 4.06-15	

Verifying Officer Guidance: Trainee shall demonstrate a working knowledge of the Coast Guard's Drug & Alcohol Program and its requirements and verify those crew members onboard during inspection who perform duties in accordance with 46 CFR 16.230(a) are subjected to random chemical testing.

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

EMPLID:

Verifying Officer's Signature:

Date:

T-Boat Inspector (TI)

Certificate of Inspection

Certificates and Documents (CD)

Small Passenger Vessel (T)

Task: TI-CD05 Examine maintenance and service records (liferafts & firefighting)

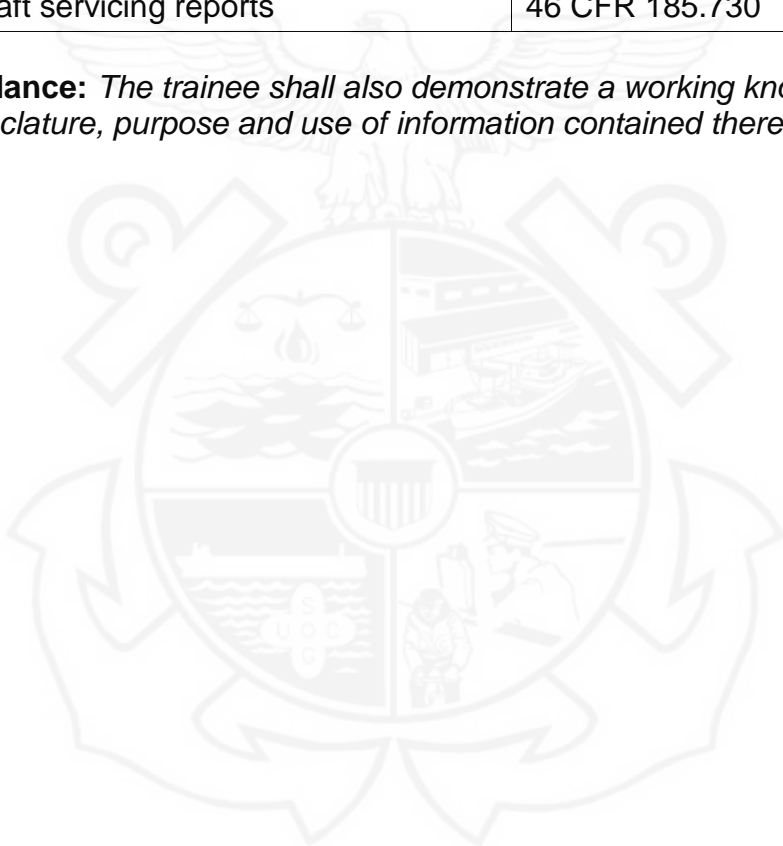
Condition: While validating certificates and documents

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

- References:**
1. Title 46, Code of Federal Regulations Part 176 SPV-T - Inspection & Certification
 2. Title 46, Code of Federal Regulations Part 185 SPV-T - Operations

Steps		References	Initials
CD05.1	Review fire fighting service reports	46 CFR 176.810	
CD05.2	Review liferaft servicing reports	46 CFR 185.730	

Verifying Officer Guidance: *The trainee shall also demonstrate a working knowledge of third-party servicing report nomenclature, purpose and use of information contained therein.*



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

T-Boat Inspector (TI)**Certificate of Inspection****Certificates and Documents (CD)****Small Passenger Vessel (T)**

Task: TI-CD06 Verify compliance with the Small Vessel General Permit (sVGP) / 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 (sVGP), 2013
 2. EPA Small Vessel General Permit for Discharges Incidental to the Normal Operation of Vessels Less Than 79 Feet (sVGP), 2014
 3. CG-543 Policy Letter 11-01 Guidelines for CG Evaluations of Compliance with the EPA's Vessel General Permit

Steps		References	Initials
CD06.1	Verify presence of Permit Authorization and Record of Inspection (PARI) form and signatures for vessels	sVGP 1.3 sVGP Appendix A	
CD06.2	Verify presence of Annual Noncompliance Form and Corrective Action reports	sVGP 3.1 sVGP Appendix A & B	
CD06.3	Verify Notice of Intent (NOI) has been submitted	VGP 1.5.1.1 & 10 VGP Table 1 CG-543 Policy Ltr 11-01	
CD06.4	Verify compliance with ballast water record keeping requirements	VGP 4.3 CG-543 Policy Ltr 11-01	
CD06.5	Verify noncompliance & reportable quantity reports have been submitted	VGP 4.4.1 VGP 4.4.2 CG-543 Policy Ltr 11-01	

Verifying Officer Guidance: Trainee shall understand the applicability of sVGP and VGP

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

EMPLID:

Verifying Officer's Signature:

Date:

T-Boat Inspector (TI)

Certificate of Inspection

Certificates and Documents (CD)

Small Passenger Vessel (T)

Task: TI-CD07 Examine muster lists and emergency instructions

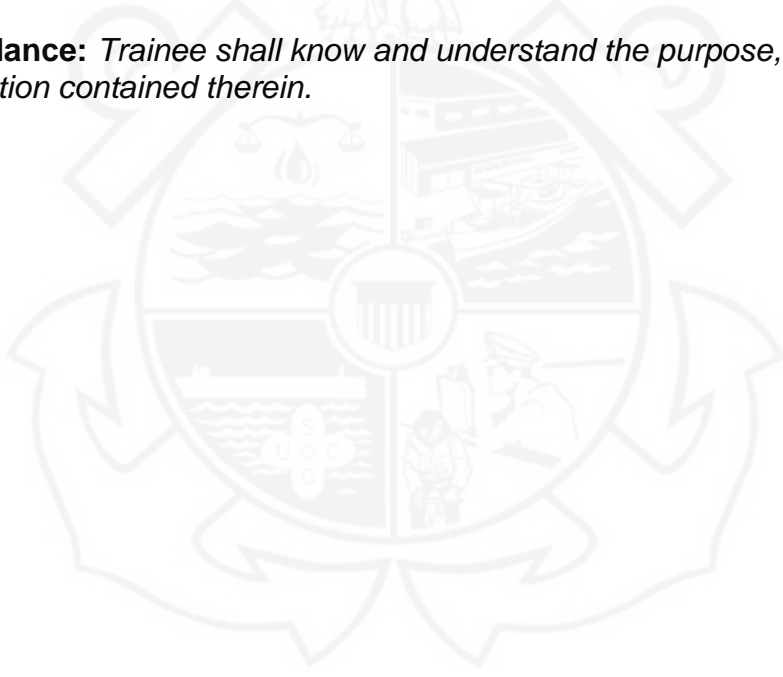
Condition: While validating certificates and documents

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

References: 1. Title 46, Code of Federal Regulations Part 185 SPV-T - Operations

Steps		References	Initials
CD07.1	Verify muster lists and emergency instructions are available	46 CFR 185.510 46 CFR 185.512	
CD07.2	Verify muster lists and emergency instructions are posted	46 CFR 185.510	
CD07.3	Verify information on muster lists and emergency instructions	46 CFR 185.510 46 CFR 185.512	
CD07.4	Verify station bill	46 CFR 185.514	

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



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

T-Boat Inspector (TI)

Certificate of Inspection

Certificates and Documents (CD)

Small Passenger Vessel (T)

Task: TI-CD08 Review Certificate of Documentation (COD)

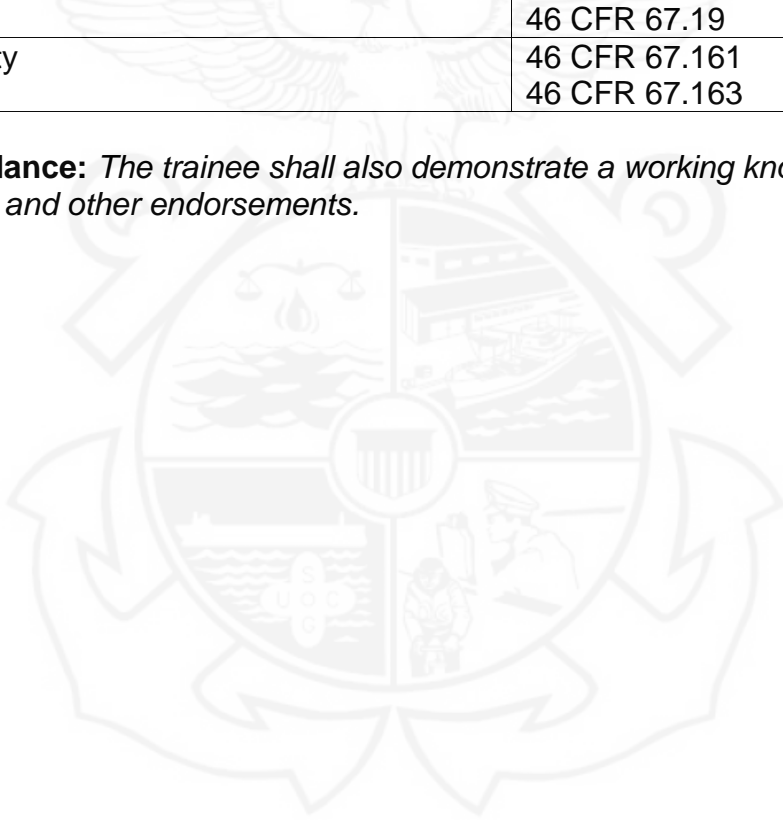
Condition: While validating certificates and documents

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
CD08.1	Verify presence of original	46 CFR 67.313	
CD08.2	Verify contact information	46 CFR 67.321	
CD08.3	Verify endorsement(s) for current service(s)	46 CFR 67.17 46 CFR 67.19	
CD08.4	Verify validity	46 CFR 67.161 46 CFR 67.163	

Verifying Officer Guidance: The trainee shall also demonstrate a working knowledge of CODs for issuance requirements and other endorsements.



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

T-Boat Inspector (TI)

Certificate of Inspection

Certificates and Documents (CD)

Small Passenger Vessel (T)

Task: TI-CD09 Examine Federal Communications Commission Marine Radio Operator Permit

Condition: *While validating certificates and documents*

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

References: 1. Title 47, Code of Federal Regulations Part 80 Stations in the Maritime Services

Steps		References	Initials
CD09.1	Verify presence	47 CFR 80.159(e)	

Verifying Officer Guidance:



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

T-Boat Inspector (TI)

Certificate of Inspection

Certificates and Documents (CD)

Small Passenger Vessel (T)

Task: TI-CD10 Review Federal Communications Commission Bridge-to-Bridge Certificate

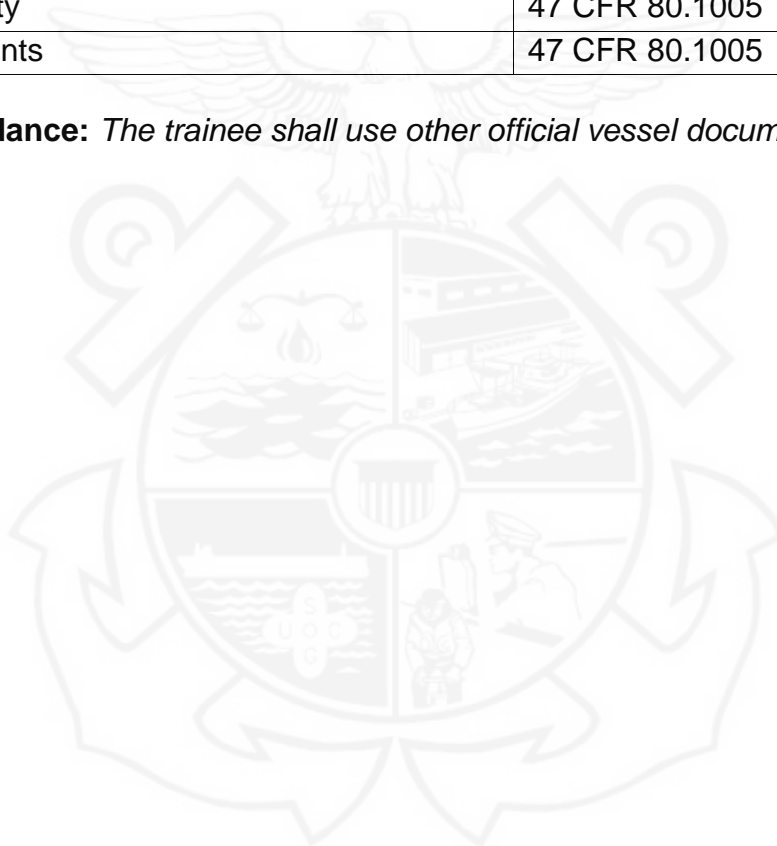
Condition: While validating certificates and documents

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

References: 1. Title 47, Code of Federal Regulations Part 80 Stations in the Maritime Services

Steps		References	Initials
CD10.1	Verify presence	47 CFR 80.1001	
CD10.2	Verify validity	47 CFR 80.1005	
CD10.3	Verify contents	47 CFR 80.1005	

Verifying Officer Guidance: *The trainee shall use other official vessel documents to support data on certificate.*



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

T-Boat Inspector (TI)

Certificate of Inspection

Certificates and Documents (CD)

Small Passenger Vessel (T)

Task: TI-CD11 Review Federal Communications Commission Station License

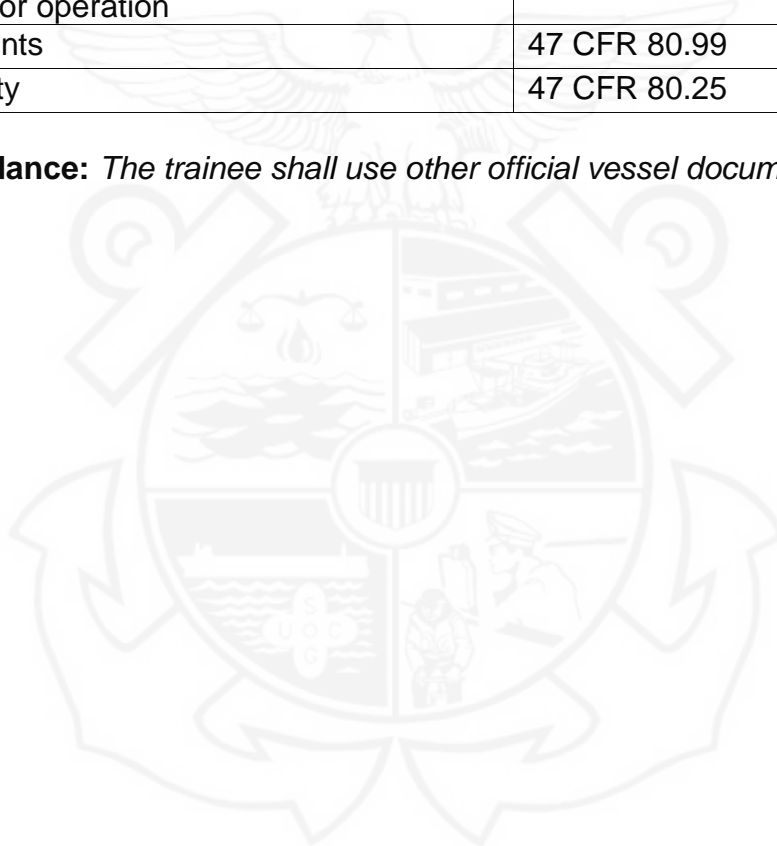
Condition: While validating certificates and documents

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

References: 1. Title 47, Code of Federal Regulations Part 80 Stations in the Maritime Services

Steps		References	Initials
CD11.1	Verify presence	47 CFR 80.13	
CD11.2	Verify that other classes of equipment are authorized for operation	47 CFR 80.17	
CD11.3	Verify contents	47 CFR 80.99	
CD11.4	Verify validity	47 CFR 80.25	

Verifying Officer Guidance: *The trainee shall use other official vessel documents to support data on license.*



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

T-Boat Inspector (TI)

Certificate of Inspection

Certificates and Documents (CD)

Small Passenger Vessel (T)

Task: TI-CD12 Review Federal Communications Commission Safety Radiotelephony Certificate

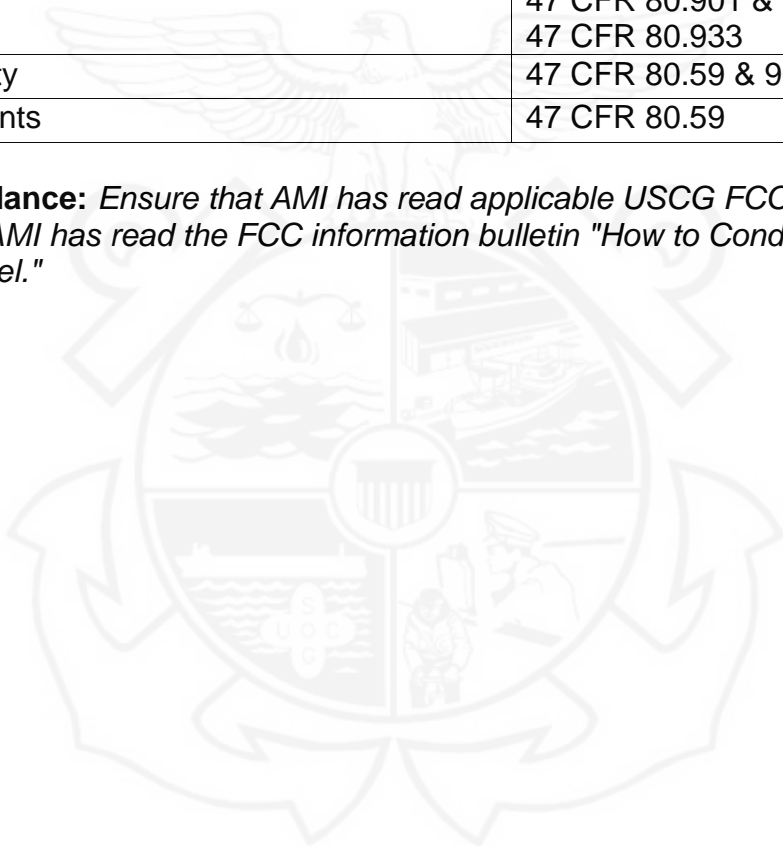
Condition: While validating certificates and documents

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

References: 1. Title 47, Code of Federal Regulations Part 80 Stations in the Maritime Services

Steps		References	Initials
CD12.1	Verify presence	47 CFR 80.59 (a)(2) 47 CFR 80.901 & 903 47 CFR 80.933	
CD12.2	Verify validity	47 CFR 80.59 & 903	
CD12.3	Verify contents	47 CFR 80.59	

Verifying Officer Guidance: Ensure that AMI has read applicable USCG FCC MOUs (1983-01, 1984-01). Ensure the AMI has read the FCC information bulletin "How to Conduct an Inspection of a Small Passenger Vessel."



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

T-Boat Inspector (TI)

Certificate of Inspection

Logs and Manuals Inspection (LM)

Small Passenger Vessel (T)

Task: TI-LM01 Review vessel's log

Condition: While validating logs and manuals

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

References: 1. Title 46, Code of Federal Regulations Part 185 SPV-T - Operations

Steps		References	Initials
LM01.1	Verify EPIRB tests	46 CFR 185.728	
LM01.2	Verify drills	46 CFR 185.524 46 CFR 185.520	
LM01.3	Verify maintenance of survival craft, rescue boats, and launching appliances	46 CFR 185.702(d)	

Verifying Officer Guidance: *The trainee shall also demonstrate a working knowledge of vessel log nomenclature, purpose and use of information contained therein.*



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

T-Boat Inspector (TI)**Certificate of Inspection****Logs and Manuals Inspection (LM)****Small Passenger Vessel (T)****Task:** TI-LM02 Examine Waste/Garbage Management Plan**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. Title 46, Code of Federal Regulations Part 184 SPV-T - Vessel Control & Miscellaneous Systems & Equipment
 3. International Convention for the Prevention of Pollution from Ships (MARPOL) 1973, as modified
 4. IMO Guidelines for the Implementation of Annex V of MARPOL, 2006 (Guidelines)

Steps		References	Initials
LM02.1	Verify validity	33 CFR 151.57 MARPOL V/9.2 46 CFR 184.702	
LM02.2	Verify contents	MARPOL V/9.2 IMO Guidelines - Appendix 3	

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

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

EMPLID:

Verifying Officer's Signature:

Date:

T-Boat Inspector (TI)

Certificate of Inspection

Bridge/Navigation Inspection (BN)

Small Passenger Vessel (T)

Task: TI-BN01 Verify operations of internal communication and control systems

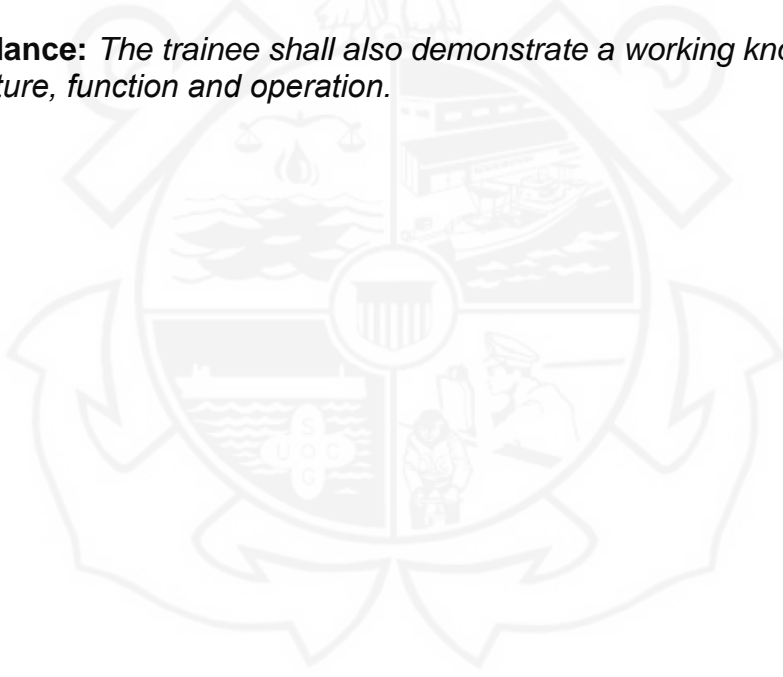
Condition: During bridge and navigation inspection

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

References: 1. Title 46, Code of Federal Regulations Part 184 SPV-T - Vessel Control & Miscellaneous Systems & Equipment

Steps		References	Initials
BN01.1	Witness means of communication from operating station to propulsion machinery space	46 CFR 184.602	
BN01.2	Witness operation of Public Address System	46 CFR 184.610	
BN01.3	Verify two independent means of controlling each propulsion engine	46 CFR 184.620	

Verifying Officer Guidance: *The trainee shall also demonstrate a working knowledge of the equipment's nomenclature, function and operation.*



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

T-Boat Inspector (TI)

Certificate of Inspection

Bridge/Navigation Inspection (BN)

Small Passenger Vessel (T)

Task: TI-BN02 Inspect radar(s)

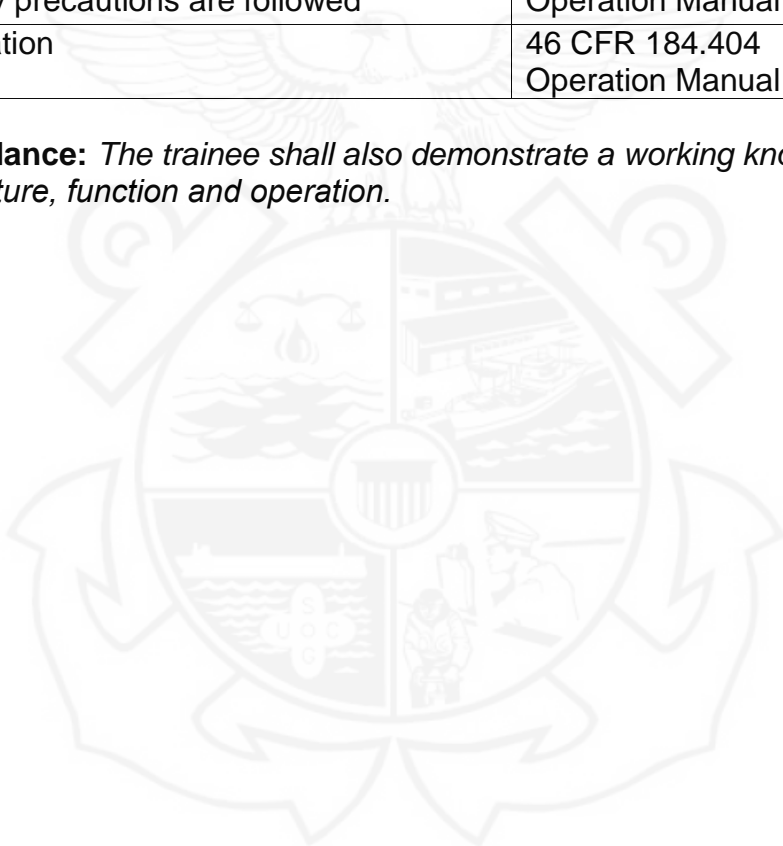
Condition: *During bridge and navigation inspection*

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

- References:**
1. Title 46, Code of Federal Regulations Part 184 SPV-T - Vessel Control & Miscellaneous Systems & Equipment
 2. Manufacturer's Operation Manual

Steps		References	Initials
BN02.1	Verify safety precautions are followed	Operation Manual	
BN02.2	Verify operation	46 CFR 184.404 Operation Manual	

Verifying Officer Guidance: *The trainee shall also demonstrate a working knowledge of the equipment's nomenclature, function and operation.*



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

T-Boat Inspector (TI)

Certificate of Inspection

Bridge/Navigation Inspection (BN)

Small Passenger Vessel (T)

Task: TI-BN03 Inspect magnetic compass

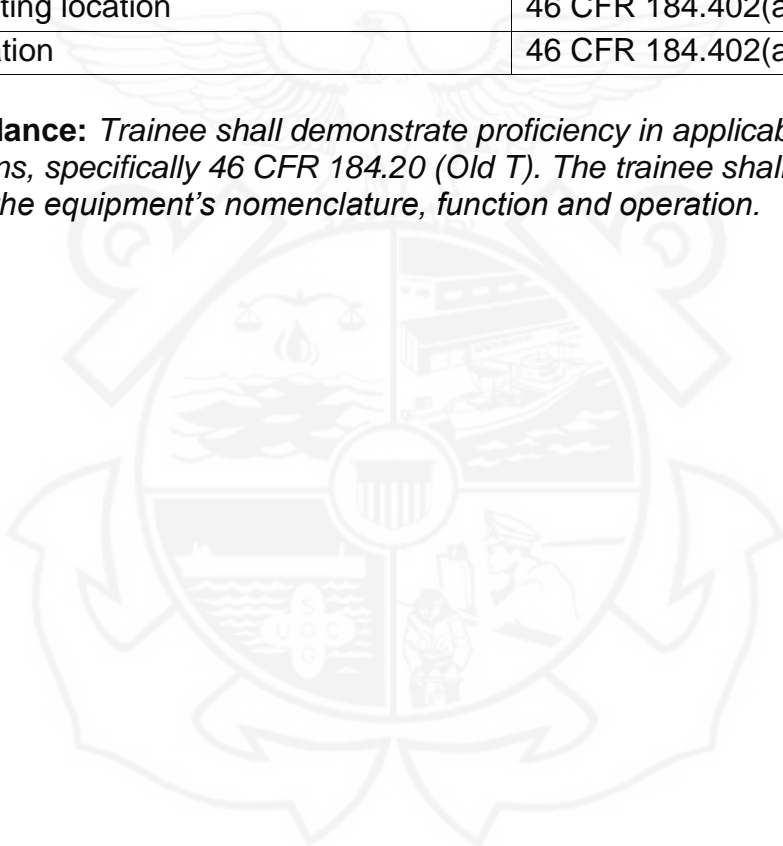
Condition: During bridge and navigation inspection

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

References: 1. Title 46, Code of Federal Regulations Part 184 SPV-T - Vessel Control & Miscellaneous Systems & Equipment

Steps		References	Initials
BN03.1	Verify illumination	46 CFR 184.402(c)	
BN03.2	Verify mounting location	46 CFR 184.402(a)	
BN03.3	Verify operation	46 CFR 184.402(a)	

Verifying Officer Guidance: Trainee shall demonstrate proficiency in applicability of "old" and "new" subchapter T regulations, specifically 46 CFR 184.20 (Old T). The trainee shall also demonstrate a working knowledge of the equipment's nomenclature, function and operation.



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

T-Boat Inspector (TI)

Certificate of Inspection

Bridge/Navigation Inspection (BN)

Small Passenger Vessel (T)

Task: TI-BN04 Inspect electronic position-fixing device (satellite navigation (GPS) receiver)

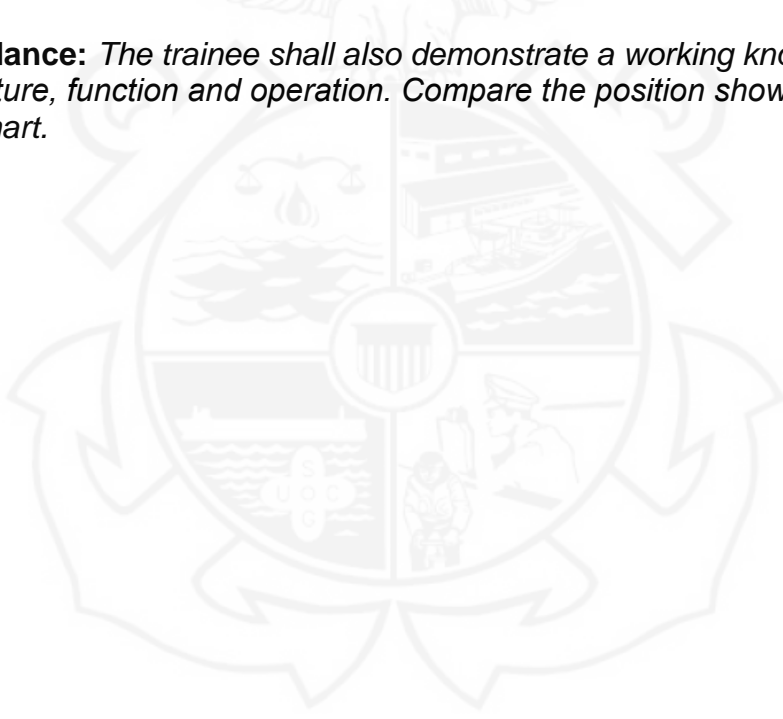
Condition: During bridge and navigation inspection

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

- References:**
1. Title 46, Code of Federal Regulations Part 184 SPV-T - Vessel Control & Miscellaneous Systems & Equipment
 2. Manufacturer's Operation Manual

Steps		References	Initials
BN04.1	Verify operation	46 CFR 184.410	
BN04.2	Witness functional test	46 CFR 184.410 Operations Manual	

Verifying Officer Guidance: *The trainee shall also demonstrate a working knowledge of the equipment's nomenclature, function and operation. Compare the position shown on GPS to position on the vessel's local chart.*



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

T-Boat Inspector (TI)

Certificate of Inspection

Bridge/Navigation Inspection (BN)

Small Passenger Vessel (T)

Task: TI-BN05 Verify radio telephone equipment

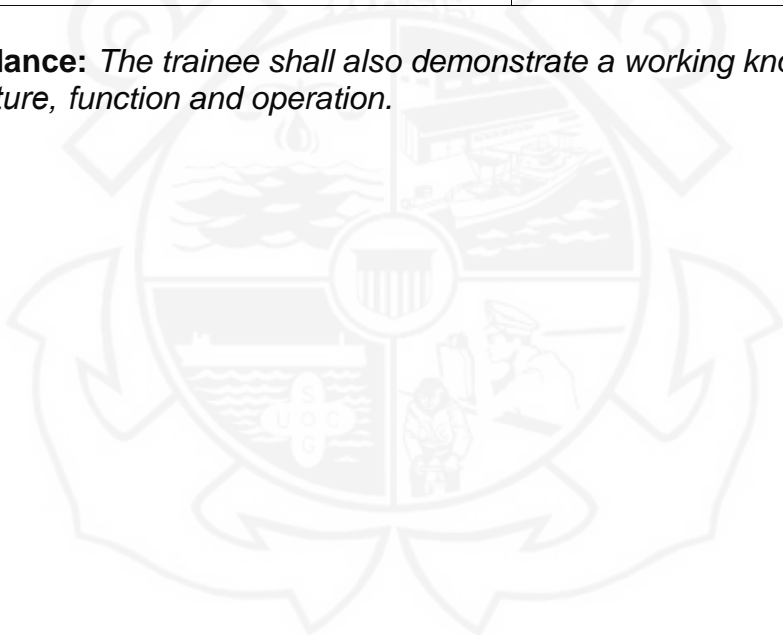
Condition: During bridge and navigation inspection

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

- References:**
1. Title 46, Code of Federal Regulations Part 184 SPV-T - Vessel Control & Miscellaneous Systems & Equipment
 2. Title 47, Code of Federal Regulations Part 80 Stations in the Maritime Services

Steps		References	Initials
BN05.1	Verify installation(s)	46 CFR 184.502 47 CFR 80.901	
BN05.2	Verify equipment for operational area(s)	47 CFR 80.905	
BN05.3	Verify emergency broadcast placard	46 CFR 184.506 46 CFR 184.510	
BN05.4	Witness operational test	47 CFR 80.931	

Verifying Officer Guidance: *The trainee shall also demonstrate a working knowledge of the equipment's nomenclature, function and operation.*



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

T-Boat Inspector (TI)

Certificate of Inspection

Bridge/Navigation Inspection (BN)

Small Passenger Vessel (T)

Task: TI-BN06 Inspect navigation and signaling lights, and dayshapes

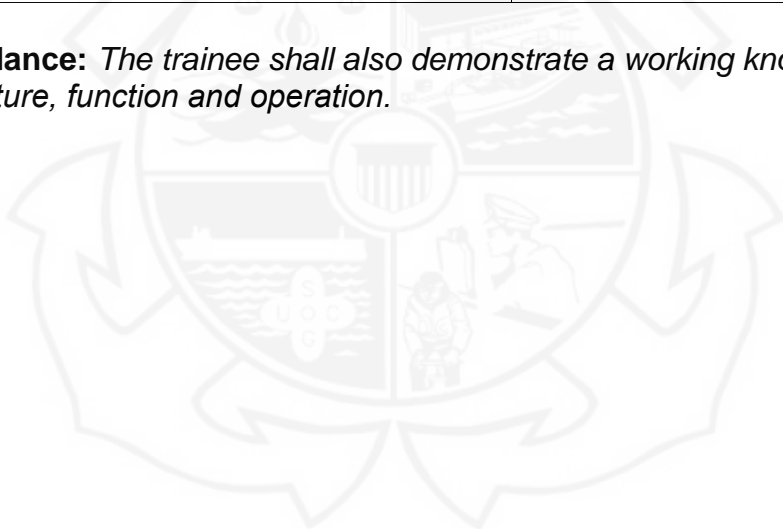
Condition: *During bridge and navigation inspection*

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

- References:**
1. Title 33, Code of Federal Regulations Part 81 72 COLREGS: Implementing Rules
 2. Title 33, Code of Federal Regulations Part 83 Inland Navigation Rules - Rules
 3. Title 46, Code of Federal Regulations Part 183 SPV-T - Electrical Installation
 4. International Regulations for Preventing Collisions at Sea (COLREG), 1972, as amended

Steps		References	Initials
BN06.1	Verify operation of navigation and anchor lights	33 CFR 83.20(b) COLREG Rule 20 46 CFR 183.420	
BN06.2	Inspect dayshapes	33 CFR 83.20(d) COLREG Rule 20 33 CFR 84.11	
BN06.3	Review Certificate of Alternate Compliance	33 CFR 81.9	

Verifying Officer Guidance: *The trainee shall also demonstrate a working knowledge of the equipment's nomenclature, function and operation.*



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

T-Boat Inspector (TI)

Certificate of Inspection

Bridge/Navigation Inspection (BN)

Small Passenger Vessel (T)

Task: TI-BN07 Inspect sound signaling devices

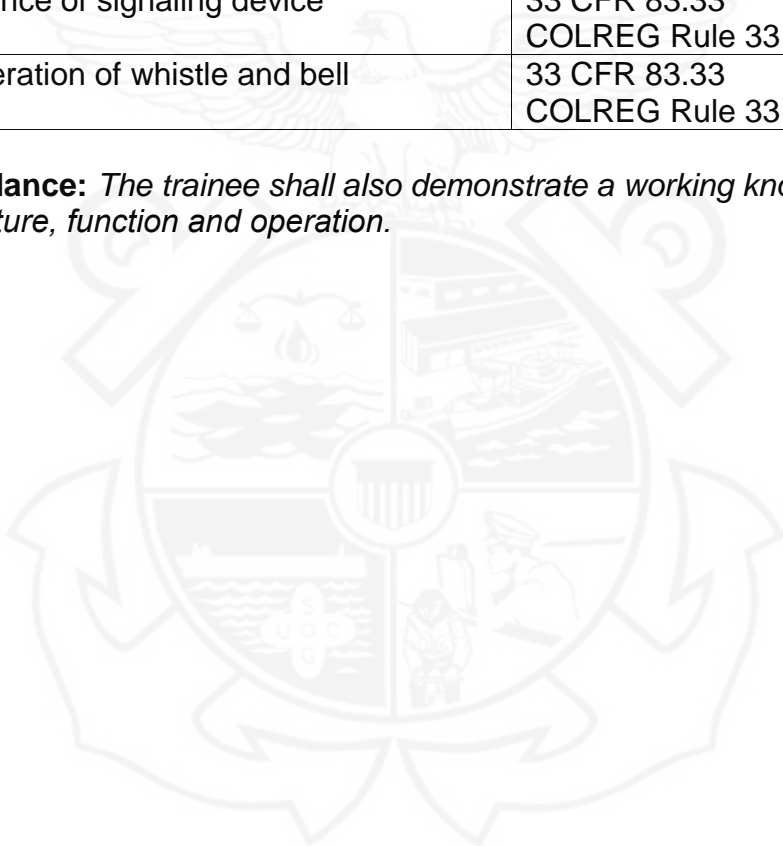
Condition: During bridge and navigation inspection

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

References: 1. Title 33, Code of Federal Regulations Part 83 Inland Navigation Rules - Rules
2. International Regulations for Preventing Collisions at Sea (COLREG), 1972, as amended

Steps		References	Initials
BN07.1	Verify presence of signaling device	33 CFR 83.33 COLREG Rule 33	
BN07.2	Witness operation of whistle and bell	33 CFR 83.33 COLREG Rule 33	

Verifying Officer Guidance: *The trainee shall also demonstrate a working knowledge of the equipment's nomenclature, function and operation.*



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

T-Boat Inspector (TI)

Certificate of Inspection

Bridge/Navigation Inspection (BN)

Small Passenger Vessel (T)

Task: TI-BN08 Verify navigational publications and nautical charts

Condition: During bridge and navigation inspection

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

- References:**
1. Title 33, Code of Federal Regulations Part 88 Inland Navigation Rules - Annex V: Pilot Rules
 2. Title 46, Code of Federal Regulations Part 184 SPV-T - Vessel Control & Miscellaneous Systems & Equipment
 3. International Regulations for Preventing Collisions at Sea (COLREG), 1972, as amended

Steps		References	Initials
BN08.1	Verify presence of current and applicable charts	46 CFR 184.420	
BN08.2	Verify presence of current and applicable Tide Tables	46 CFR 184.420	
BN08.3	Verify presence of current and applicable River Current publication or Current tables	46 CFR 184.420	
BN08.4	Verify presence of current and applicable Coast Guard Light List	46 CFR 184.420	
BN08.5	Verify presence of current and applicable U.S. Coast Pilot	46 CFR 184.420	
BN08.6	Verify presence of COLREGs	COLREG A/1	
BN08.7	Verify presence of Inland Navigation Rules	33 CFR 88.05	

Verifying Officer Guidance: Trainee shall review NVIC 01-16 CH-1 which addresses electronic pubs and charts on SPVs.

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

T-Boat Inspector (TI)

Certificate of Inspection

Bridge/Navigation Inspection (BN)

Small Passenger Vessel (T)

Task: TI-BN09 Inspect steering system controls at operating station

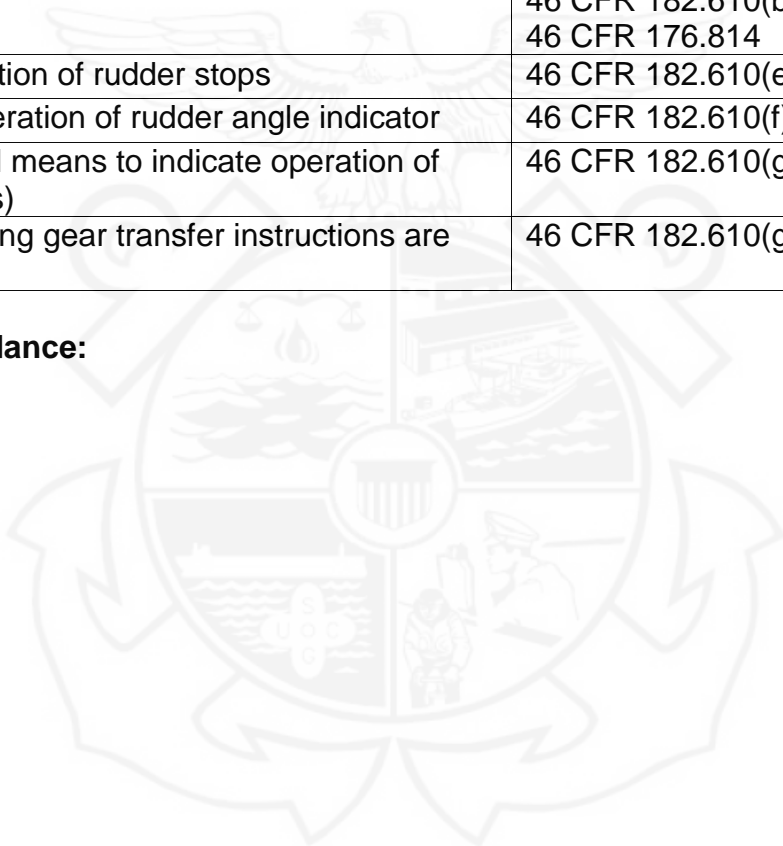
Condition: *During bridge/navigation inspection*

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

- References:**
1. Title 46, Code of Federal Regulations Part 176 SPV-T - Inspection & Certification
 2. Title 46, Code of Federal Regulations Part 182 SPV-T - Machinery Installation

Steps		References	Initials
BN09.1	Verify operation and control	46 CFR 182.610(a) 46 CFR 182.610(b) & (c) 46 CFR 176.814	
BN09.2	Verify condition of rudder stops	46 CFR 182.610(e)	
BN09.3	Witness operation of rudder angle indicator	46 CFR 182.610(f)(2)	
BN09.4	Verify visual means to indicate operation of power unit(s)	46 CFR 182.610(g)(1)	
BN09.5	Verify steering gear transfer instructions are posted	46 CFR 182.610(g)(2)	

Verifying Officer Guidance:



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

T-Boat Inspector (TI)**Certificate of Inspection****Bridge/Navigation Inspection (BN)****Small Passenger Vessel (T)**

Task: TI-BN10 Inspect alarms and gauges at operating station

Condition: *During bridge/navigation inspection*

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

References: 1. Title 46, Code of Federal Regulations Part 182 SPV-T - Machinery Installation

Steps		References	Initials
BN10.1	Verify bilge high level alarms	46 CFR 182.530(a) 46 CFR 182.530(b)	
BN10.2	Verify automatic bilge pump indicator	46 CFR 182.530(c)	
BN10.3	Verify flammable vapor detection system	46 CFR 182.480(a) 46 CFR 182.480(d)	
BN10.4	Verify propulsion engine gauges	46 CFR 182.410(b)	
BN10.5	Inspect audible or visual alarm for exhaust cooling system	46 CFR 182.425(b)(5)	

Verifying Officer Guidance: *Trainee shall demonstrate proficiency in applicability of "old" and "new" subchapter T regulations, specifically 46 CFR 182.15-5(b) and 46 CFR 182.20-5 (Old T).*

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

EMPLID:

Verifying Officer's Signature:

Date:

T-Boat Inspector (TI)

Certificate of Inspection

General Health & Safety Inspection (GH)

Small Passenger Vessel (T)

Task: TI-GH01 Inspect accommodations

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 176 SPV-T - Inspection & Certification
 2. Title 46, Code of Federal Regulations Part 177 SPV-T - Construction & Arrangement
 3. Title 46, Code of Federal Regulations Part 183 SPV-T - Electrical Installation

Steps		References	Initials
GH01.1	Verify location	46 CFR 177.800	
GH01.2	Verify number of berths	46 CFR 177.710 46 CFR 177.810	
GH01.3	Verify spaces are of appropriate size	46 CFR 177.800 46 CFR 177.810	
GH01.4	Verify accessibility to escape routes	46 CFR 177.500 46 CFR 177.810(c)	
GH01.5	Verify ventilation	46 CFR 177.600(c)	
GH01.6	Verify sanitary condition	46 CFR 176.818	
GH01.7	Verify general alarm is adequate	46 CFR 183.550	

Verifying Officer Guidance:



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

T-Boat Inspector (TI)

Certificate of Inspection

General Health & Safety Inspection (GH)

Small Passenger Vessel (T)

Task: TI-GH02 Inspect means of escape from accommodation, machinery and other spaces

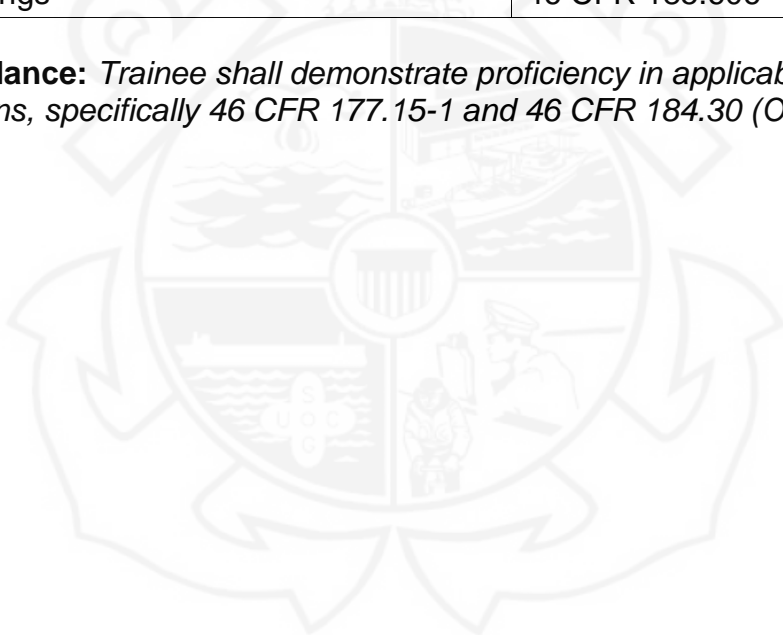
Condition: During general health and safety inspection

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

- References:**
1. Title 46, Code of Federal Regulations Part 177 SPV-T - Construction & Arrangement
 2. Title 46, Code of Federal Regulations Part 183 SPV-T - Electrical Installation
 3. Title 46, Code of Federal Regulations Part 185 SPV-T - Operations

Steps		References	Initials
GH02.1	Verify means of escape	46 CFR 177.500	
GH02.2	Verify routes are accessible	46 CFR 177.500	
GH02.3	Verify emergency lighting	46 CFR 183.432	
GH02.4	Verify markings	46 CFR 185.606	

Verifying Officer Guidance: Trainee shall demonstrate proficiency in applicability of "old" and "new" subchapter T regulations, specifically 46 CFR 177.15-1 and 46 CFR 184.30 (Old T).



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

T-Boat Inspector (TI)

Certificate of Inspection

General Health & Safety Inspection (GH)

Small Passenger Vessel (T)

Task: TI-GH03 Inspect mess deck and galley 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 176 SPV-T - Inspection & Certification
 2. Title 46, Code of Federal Regulations Part 177 SPV-T - Construction & Arrangement
 3. Title 46, Code of Federal Regulations Part 184 SPV-T - Vessel Control & Miscellaneous Systems & Equipment
 4. American Bureau Yacht Counsel (ABYC) A-3 Galley Stoves, 1993
 5. NFPA 302 Pleasure and Commercial Motor Craft, 1994

Steps		References	Initials
GH03.1	Inspect sanitary conditions	46 CFR 176.818	
GH03.2	Verify cooking fuel restrictions	46 CFR 184.202	
GH03.3	Verify cooking equipment requirements	46 CFR 184.220 ABYC A-3 NFPA 302	
GH03.4	Verify LPG and LNG cooking systems	46 CFR 184.240	
GH03.5	Verify condition of vents and ducts	46 CFR 177.600(d)	
GH03.6	Verify structural fire protection surrounding cooking and heating appliances	46 CFR 177.410(c)(1)	

Verifying Officer Guidance:



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

T-Boat Inspector (TI)

Certificate of Inspection

General Health & Safety Inspection (GH)

Small Passenger Vessel (T)

Task: TI-GH04 Inspect paint locker(s)

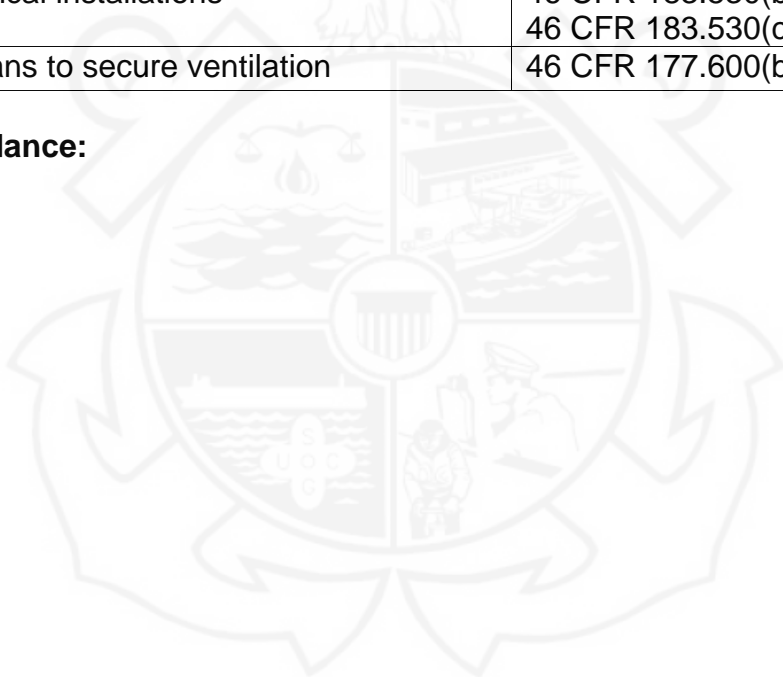
Condition: *During general health and safety inspection*

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

- References:**
1. Title 46, Code of Federal Regulations Part 177 SPV-T - Construction & Arrangement
 2. Title 46, Code of Federal Regulations Part 181 SPV-T - Fire Protection Equipment
 3. Title 46, Code of Federal Regulations Part 183 SPV-T - Electrical Installation

Steps		References	Initials
GH04.1	Verify fire protection equipment	46 CFR 181.400(a)(7)	
GH04.2	Inspect space construction material	46 CFR 177.405(d)	
GH04.3	Verify electrical installations	46 CFR 183.530(b) 46 CFR 183.530(c)	
GH04.4	Inspect means to secure ventilation	46 CFR 177.600(b)	

Verifying Officer Guidance:



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

T-Boat Inspector (TI)

Certificate of Inspection

Lifesaving Equipment Inspection (LS)

Small Passenger Vessel (T)

Task: TI-LS01 Inspect Emergency Position Indicating Radio Beacon (EPIRB)

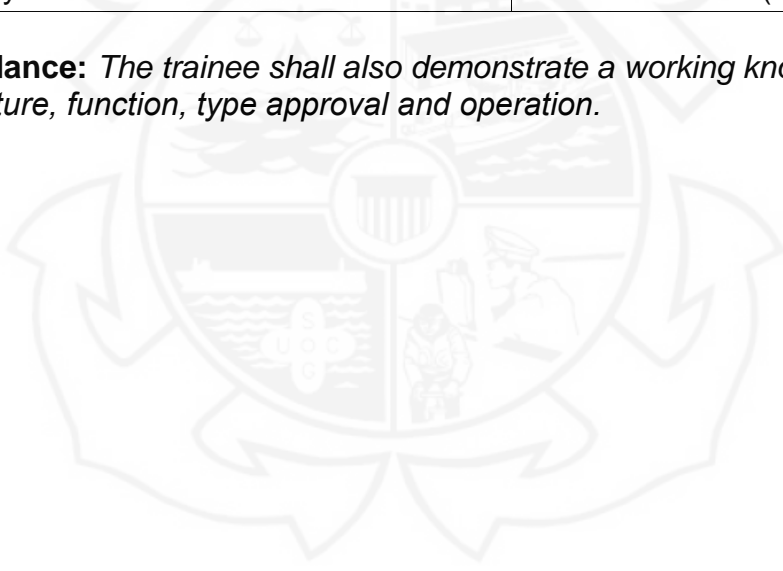
Condition: *During lifesaving equipment inspection*

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

- References:**
1. Title 46, Code of Federal Regulations Part 180 SPV-T - Lifesaving Equipment & Arrangements
 2. Title 46, Code of Federal Regulations Part 185 SPV-T - Operations
 3. Title 47, Code of Federal Regulations Subpart V Emergency Position Indicating Radiobeacons (EPIRBs)

Steps		References	Initials
LS01.1	Verify registration	46 CFR 180.64 47 CFR 80.1061(e) 47 CFR 80.1061(f)	
LS01.2	Verify stowage	46 CFR 180.64	
LS01.3	Verify hydro-static release expiration date	46 CFR 185.740(b)	
LS01.4	Verify battery date	46 CFR 185.728(b)	

Verifying Officer Guidance: *The trainee shall also demonstrate a working knowledge of the equipment's nomenclature, function, type approval and operation.*



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

T-Boat Inspector (TI)

Certificate of Inspection

Lifesaving Equipment Inspection (LS)

Small Passenger Vessel (T)

Task: TI-LS02 Inspect distress signals

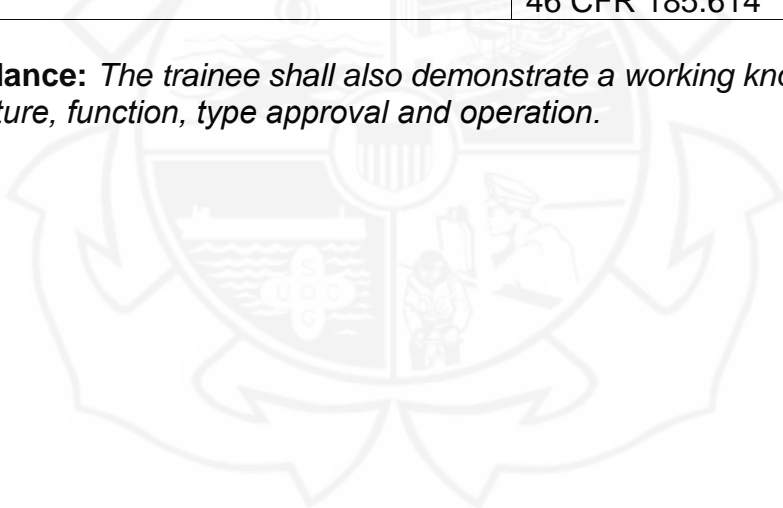
Condition: During lifesaving equipment inspection

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

- References:**
1. Title 46, Code of Federal Regulations Part 160 Equipment, Construction & Materials: Specifications & Approval - Lifesaving Equipment
 2. Title 46, Code of Federal Regulations Part 180 SPV-T - Lifesaving Equipment & Arrangements
 3. Title 46, Code of Federal Regulations Part 185 SPV-T - Operations

Steps		References	Initials
LS02.1	Verify type approval	46 CFR 180.68	
LS02.2	Verify quantity in accordance with vessel's route	46 CFR 180.68	
LS02.3	Verify expiration date	46 CFR 185.726(c) 46 CFR 160.021-5 & .022-5 46 CFR 160.036-5 & .037-5	
LS02.4	Verify stowage and marking	46 CFR 180.68 (e) 46 CFR 185.614	

Verifying Officer Guidance: *The trainee shall also demonstrate a working knowledge of the equipment's nomenclature, function, type approval and operation.*



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

T-Boat Inspector (TI)**Certificate of Inspection****Lifesaving Equipment Inspection (LS)****Small Passenger Vessel (T)****Task:** TI-LS03 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 160 Equipment, Construction & Materials: Specifications & Approval - Lifesaving Equipment
 2. Title 46, Code of Federal Regulations Part 180 SPV-T - Lifesaving Equipment & Arrangements
 3. Title 46, Code of Federal Regulations Part 185 SPV-T - Operations

Steps		References	Initials
LS03.1	Verify type approval	46 CFR 180.71(c) 46 CFR 180.25(a)	
LS03.2	Verify quantity	46 CFR 180.71(a) 46 CFR 180.71(b)	
LS03.3	Verify stowage	46 CFR 180.78	
LS03.4	Verify markings	46 CFR 185.604(b)	
LS03.5	Verify lights	46 CFR 180.75	
LS03.6	Verify location and information for donning instructions	46 CFR 185.516	
LS03.7	Inspect condition and suitability	46 CFR 160.002 46 CFR 160.005 46 CFR 160.055	
LS03.8	Verify stowage of Personal Floatation Devices carried in addition to lifejackets	46 CFR 180.72	

Verifying Officer Guidance: *The trainee shall also demonstrate a working knowledge of the equipment's nomenclature, function, and type approval.*

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

EMPLID:

Verifying Officer's Signature:

Date:

T-Boat Inspector (TI)

Certificate of Inspection

Lifesaving Equipment Inspection (LS)

Small Passenger Vessel (T)

Task: TI-LS04 Inspect life buoys

Condition: During lifesaving equipment inspection

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

- References:**
1. Title 46, Code of Federal Regulations Part 160 Equipment, Construction & Materials: Specifications & Approval - Lifesaving Equipment
 2. Title 46, Code of Federal Regulations Part 180 SPV-T - Lifesaving Equipment & Arrangements
 3. Title 46, Code of Federal Regulations Part 185 SPV-T - Operations

Steps		References	Initials
LS04.1	Verify type approval	46 CFR 180.70(b)(1) 46 CFR 160.050	
LS04.2	Verify quantity	46 CFR 180.70(a)	
LS04.3	Verify stowage	46 CFR 180.70(b)	
LS04.4	Verify size	46 CFR 180.70(a)	
LS04.5	Inspect lifeline	46 CFR 180.70(c)	
LS04.6	Inspect waterlight	46 CFR 180.70(d)	
LS04.7	Verify markings	46 CFR 185.604 46 CFR 180.70(b) 46 CFR 160.050-3(b) & .050-6	
LS04.8	Inspect condition and suitability	46 CFR 180.70 46 CFR 160.050	

Verifying Officer Guidance: *The trainee shall also demonstrate a working knowledge of the equipment's nomenclature, function, and type approval.*

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

T-Boat Inspector (TI)**Certificate of Inspection****Lifesaving Equipment Inspection (LS)****Small Passenger Vessel (T)**

Task: TI-LS05 Inspect inflatable liferaft & inflatable buoyant apparatus installations

Condition: During lifesaving equipment inspection

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

- References:**
1. Title 46, Code of Federal Regulations Part 160 Equipment, Construction & Materials: Specifications & Approval - Lifesaving Equipment
 2. Title 46, Code of Federal Regulations Part 180 SPV-T - Lifesaving Equipment & Arrangements
 3. Title 46, Code of Federal Regulations Part 185 SPV-T - Operations

Steps		References	Initials
LS05.1	Verify type approval	46 CFR 180.200(a)(1)	
LS05.2	Verify quantity onboard	46 CFR 180.200(c) Table	
LS05.3	Verify stowage	46 CFR 180.130	
LS05.4	Verify markings	46 CFR 160.151-33	
LS05.5	Verify annual service dates	46 CFR 185.730(a)	
LS05.6	Verify emergency instructions are posted	46 CFR 185.518	
LS05.7	Inspect embarkation ladder	46 CFR 185.150	
LS05.8	Verify servicing/expiration of hydrostatic release	46 CFR 185.740	
LS05.9	Verify hydrostatic release installation	46 CFR 185.740	

Verifying Officer Guidance: *The trainee shall also demonstrate a working knowledge of the equipment's nomenclature, function, type approval and operation.*

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

EMPLID:

Verifying Officer's Signature:

Date:

T-Boat Inspector (TI)

Certificate of Inspection

Lifesaving Equipment Inspection (LS)

Small Passenger Vessel (T)

Task: TI-LS06 Inspect lifefloat installations

Condition: During lifesaving equipment inspection

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

- References:**
1. Title 46, Code of Federal Regulations Part 160 Equipment, Construction & Materials: Specifications & Approval - Lifesaving Equipment
 2. Title 46, Code of Federal Regulations Part 180 SPV-T - Lifesaving Equipment & Arrangements
 3. Title 46, Code of Federal Regulations Part 185 SPV-T - Operations

Steps		References	Initials
LS06.1	Verify type approval	46 CFR 180.200(a)(2)	
LS06.2	Verify quantity	46 CFR 180.200(c) Table	
LS06.3	Verify stowage	46 CFR 180.137	
LS06.4	Verify markings	46 CFR 185.604(a) 46 CFR 160.010-8	
LS06.5	Inspect embarkation ladder	46 CFR 180.150	
LS06.6	Verify required equipment	46 CFR 180.175(d) 46 CFR 180.175(f)	
LS06.7	Verify emergency instructions are posted	46 CFR 185.512(a)(1)(ix)	

Verifying Officer Guidance: *The trainee shall also demonstrate a working knowledge of the equipment's nomenclature, function, type approval and operation.*

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

T-Boat Inspector (TI)**Certificate of Inspection****Lifesaving Equipment Inspection (LS)****Small Passenger Vessel (T)****Task:** TI-LS07 Inspect rescue boat**Condition:** *During lifesaving equipment inspection***Standard:** *In compliance with applicable policies, laws, regulations and standards*

- References:**
1. Title 46, Code of Federal Regulations Part 160 Equipment, Construction & Materials: Specifications & Approval - Lifesaving Equipment
 2. Title 46, Code of Federal Regulations Part 180 SPV-T - Lifesaving Equipment & Arrangements
 3. Title 46, Code of Federal Regulations Part 185 SPV-T - Operations

Steps		References	Initials
LS07.1	Verify type approval	46 CFR 180.210 46 CFR 160.056	
LS07.2	Verify stowage	46 CFR 185.700	
LS07.3	Verify markings	46 CFR 185.604(i)	
LS07.4	Verify equipment	46 CFR 160.056-3(b)	
LS07.5	Verify condition	46 CFR 185.700	
LS07.6	Inspect embarkation ladder	46 CFR 180.150(b)	

Verifying Officer Guidance: *The trainee shall also demonstrate a working knowledge of the equipment's nomenclature, function and type approval.*

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

EMPLID:

Verifying Officer's Signature:

Date:

T-Boat Inspector (TI)

Certificate of Inspection

Lifesaving Equipment Inspection (LS)

Small Passenger Vessel (T)

Task: TI-LS08 Inspect launching appliance(s)

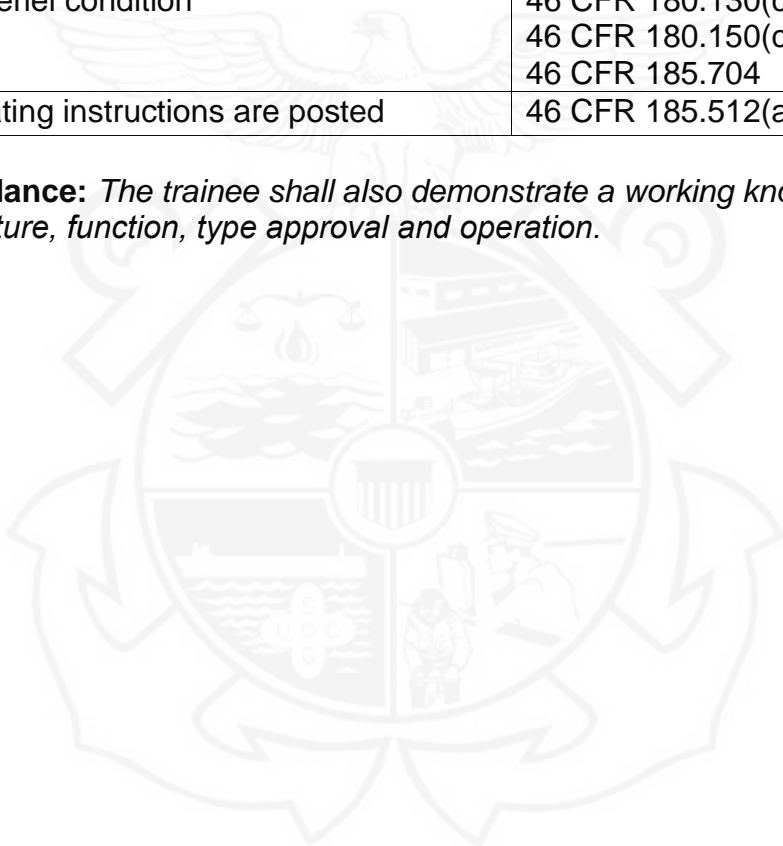
Condition: During lifesaving equipment inspection

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

- References:**
1. Title 46, Code of Federal Regulations Part 180 SPV-T - Lifesaving Equipment & Arrangements
 2. Title 46, Code of Federal Regulations Part 185 SPV-T - Operations

Steps		References	Initials
LS08.1	Inspect materiel condition	46 CFR 180.130(c) 46 CFR 180.150(c) 46 CFR 185.704	
LS08.2	Verify operating instructions are posted	46 CFR 185.512(a)(1)(ix)	

Verifying Officer Guidance: *The trainee shall also demonstrate a working knowledge of the equipment's nomenclature, function, type approval and operation.*



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

T-Boat Inspector (TI)

Certificate of Inspection

Lifesaving Equipment Inspection (LS)

Small Passenger Vessel (T)

Task: TI-LS09 Inspect buoyant apparatus

Condition: *During lifesaving equipment inspection*

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

- References:**
1. Title 46, Code of Federal Regulations Part 160 Equipment, Construction & Materials: Specifications & Approval - Lifesaving Equipment
 2. Title 46, Code of Federal Regulations Part 180 SPV-T - Lifesaving Equipment & Arrangements
 3. Title 46, Code of Federal Regulations Part 185 SPV-T - Operations

Steps		References	Initials
LS09.1	Verify type approval	46 CFR 180.15(b) 46 CFR 180.200(a)(4) 46 CFR 160.010	
LS09.2	Verify quantity	46 CFR 180.15(b) 46 CFR 180.200(a)(4) 46 CFR 180.200(c) Table	
LS09.3	Verify stowage	46 CFR 180.137	
LS09.4	Verify markings	46 CFR 185.604(a)	
LS09.5	Inspect embarkation ladder	46 CFR 180.150	
LS09.6	Verify required equipment	46 CFR 180.175(e) 46 CFR 180.175(f)	
LS09.7	Verify emergency instructions are posted	46 CFR 185.512(a)(1)(ix)	

Verifying Officer Guidance:

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

T-Boat Inspector (TI)

Certificate of Inspection

Firefighting System Inspection (FF)

Small Passenger Vessel (T)

Task: TI-FF01 Inspect fire main and pump

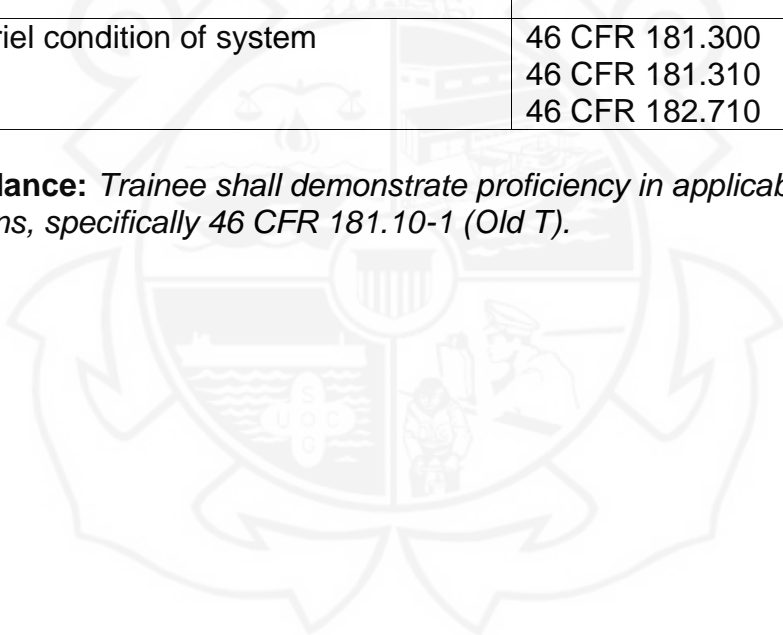
Condition: *During firefighting equipment inspection*

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

- References:**
1. Title 46, Code of Federal Regulations Part 181 SPV-T - Fire Protection Equipment
 2. Title 46, Code of Federal Regulations Part 182 SPV-T - Machinery Installation

Steps		References	Initials
FF01.1	Verify capable of providing adequate pressure	46 CFR 181.300(b) & (c)	
FF01.2	Verify self priming arrangement	46 CFR 181.300(a)	
FF01.3	Verify fitted with gauge	46 CFR 181.300	
FF01.4	Verify location of controls and markings	46 CFR 181.300	
FF01.5	Verify operation of fire pump from remote control(s)	46 CFR 181.300(e)	
FF01.6	Verify materiel condition of system	46 CFR 181.300 46 CFR 181.310 46 CFR 182.710	

Verifying Officer Guidance: *Trainee shall demonstrate proficiency in applicability of "old" and "new" subchapter T regulations, specifically 46 CFR 181.10-1 (Old T).*



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

T-Boat Inspector (TI)

Certificate of Inspection

Firefighting System Inspection (FF)

Small Passenger Vessel (T)

Task: TI-FF02 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 181 SPV-T - Fire Protection Equipment

Steps		References	Initials
FF02.1	Verify number of hydrants	46 CFR 181.310(a)	
FF02.2	Verify hoses meet required length, size, markings and quantity	46 CFR 181.310(a) 46 CFR 181.320(b) 46 CFR 181.320(c)	
FF02.3	Verify operation of valves at fire stations	46 CFR 181.310(a)	

Verifying Officer Guidance:



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

T-Boat Inspector (TI)**Certificate of Inspection****Firefighting System Inspection (FF)****Small Passenger Vessel (T)****Task:** TI-FF03 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 147 Hazardous Ships' Stores
 2. Title 46, Code of Federal Regulations Part 176 SPV-T - Inspection & Certification
 3. Title 46, Code of Federal Regulations Part 181 SPV-T - Fire Protection Equipment
 4. NFPA 10 Standard for Portable Fire Extinguishers, 2014

Steps		References	Initials
FF03.1	Verify location and stowage	46 CFR 181.500 46 CFR 181.520	
FF03.2	Verify servicing compliance	46 CFR 176.810 NFPA 10 Chapters 4, 7 & 8	
FF03.3	Examine condition of cylinder(s) and hose(s)	NFPA 10 Chapter 7 46 CFR 176.810 46 CFR 147.65	
FF03.4	Verify presence of required type and quantity	46 CFR 181.500	

Verifying Officer Guidance: *The trainee shall also demonstrate a working knowledge of equipment's nomenclature, function and operation.*

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

EMPLID:

Verifying Officer's Signature:

Date:

T-Boat Inspector (TI)**Certificate of Inspection****Firefighting System Inspection (FF)****Small Passenger Vessel (T)****Task:** TI-FF04 Inspect semi-portable firefighting equipment**Condition:** During firefighting equipment inspection**Standard:** In compliance with applicable policies, laws, regulations and standards

- References:**
1. Title 46, Code of Federal Regulations Part 147 Hazardous Ships' Stores
 2. Title 46, Code of Federal Regulations Part 176 SPV-T - Inspection & Certification
 3. Title 46, Code of Federal Regulations Part 181 SPV-T - Fire Protection Equipment
 4. NFPA 10 Standard for Portable Fire Extinguishers, 2014

Steps		References	Initials
FF04.1	Verify location and stowage	46 CFR 181.500 46 CFR 181.520	
FF04.2	Verify servicing compliance	46 CFR 176.810 NFPA 10 Chapters 4, 7 & 8	
FF04.3	Examine condition of cylinder(s) and hose(s)	NFPA 10 Chapter 7 46 CFR 176.810 46 CFR 147.65	
FF04.4	Verify type and quantity of extinguishers	46 CFR 181.500(c)	

Verifying Officer Guidance: *The trainee shall also demonstrate a working knowledge of equipment's nomenclature, function and operation.*

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

EMPLID:

Verifying Officer's Signature:

Date:

T-Boat Inspector (TI)

Certificate of Inspection

Firefighting System Inspection (FF)

Small Passenger Vessel (T)

Task: TI-FF05 Inspect fire axe(s)

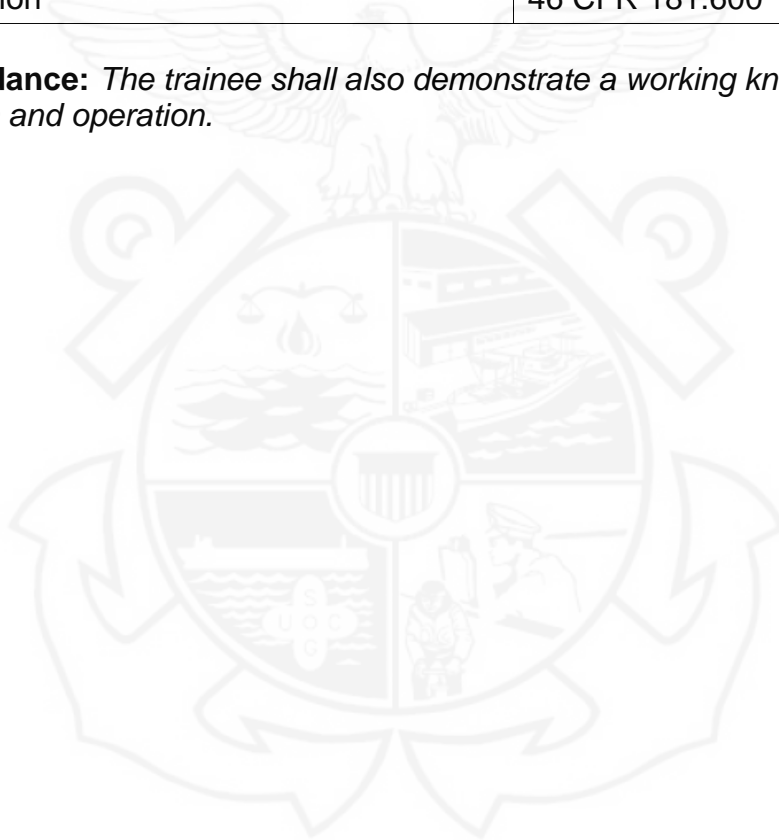
Condition: During firefighting equipment inspection

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

References: 1. Title 46, Code of Federal Regulations Part 181 SPV-T - Fire Protection Equipment

Steps		References	Initials
FF05.1	Verify presence	46 CFR 181.600	
FF05.2	Verify location	46 CFR 181.600	

Verifying Officer Guidance: *The trainee shall also demonstrate a working knowledge of equipment's nomenclature, function and operation.*



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

T-Boat Inspector (TI)

Certificate of Inspection

Firefighting System Inspection (FF)

Small Passenger Vessel (T)

Task: TI-FF06 Inspect high pressure CO2 system(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 176 SPV-T - Inspection & Certification
 2. Title 46, Code of Federal Regulations Part 181 SPV-T - Fire Protection Equipment
 3. Title 46, Code of Federal Regulations Part 185 SPV-T - Operations
 4. COMDTINST M16000.7B Marine Safety Manual Volume II Material Inspection Ch-2

Steps		References	Initials
FF06.1	Ensure safety precautions are implemented prior to servicing system	MSM II/C.2.I.5	
FF06.2	Verify servicing compliance	46 CFR 176.810(b)(2)	
FF06.3	Verify odorizing unit	46 CFR 181.410(f)(8)	
FF06.4	Inspect stowage of cylinders	46 CFR 181.410(c)	
FF06.5	Examine materiel condition of system components	46 CFR 181.410	
FF06.6	Verify piping and nozzles are clear	46 CFR 176.810(b)(2)	
FF06.7	Witness operational test of time delays, alarms and shutdowns	46 CFR 176.810(b)(2)	
FF06.8	Verify markings and warning signs are posted	46 CFR 185.612	
FF06.9	Verify operating instructions are posted	46 CFR 185.612	

Verifying Officer Guidance: Trainee shall demonstrate proficiency in applicability of "old" and "new" subchapter T regulations, specifically 46 CFR 176.25-5, 46 CFR 181.20 and 46 CFR 181.20-10 (Old T).

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

T-Boat Inspector (TI)

Certificate of Inspection

Firefighting System Inspection (FF)

Small Passenger Vessel (T)

Task: TI-FF07 Inspect pre-engineered fixed gas fire extinguishing 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 176 SPV-T - Inspection & Certification
 2. Title 46, Code of Federal Regulations Part 181 SPV-T - Fire Protection Equipment
 3. Manufacturer's Instructions

Steps		References	Initials
FF07.1	Determine if approved	46 CFR 181.420(a)(1)	
FF07.2	Verify presence of manual actuation from outside of the space	46 CFR 181.420(a)(2)	
FF07.3	Verify presence of automatic actuator (heat detector)	46 CFR 181.420(a)(2)	
FF07.4	Witness system automatically shuts down power ventilation	46 CFR 181.420(a)(3)	
FF07.5	Witness system automatically shuts down engines	46 CFR 181.420(a)(3)	
FF07.6	Verify system is installed per manufacturer's instructions	46 CFR 181.420(a)(4) Manufacturer's Instructions	
FF07.7	Witness operation of indicating light	46 CFR 181.420(b)(1)	
FF07.8	Witness audible alarm	46 CFR 181.420(b)(2)	
FF07.9	Witness means to reset automatically shut down systems	46 CFR 181.420(b)(3)	
FF07.10	Verify servicing compliance	46 CFR 176.810(b)(2)	

Verifying Officer Guidance:

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

T-Boat Inspector (TI)

Certificate of Inspection

Firefighting System Inspection (FF)

Small Passenger Vessel (T)

Task: TI-FF08 Inspect fire and smoke detection 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 76 Passenger Vessels - Fire Protection Equipment
 2. Title 46, Code of Federal Regulations Part 176 SPV-T - Inspection & Certification
 3. Title 46, Code of Federal Regulations Part 177 SPV-T - Construction & Arrangement
 4. Title 46, Code of Federal Regulations Part 181 SPV-T - Fire Protection Equipment

Steps		References	Initials
FF08.1	Determine appropriate spaces are equipped	46 CFR 181.400(c),(e) & (f) 46 CFR 181.450 46 CFR 177.410(C)(3)	
FF08.2	Witness system test	46 CFR 176.810(a)(7)	
FF08.3	Verify operation of control unit's visual and audible alarms	46 CFR 181.400	
FF08.4	Verify zoning	46 CFR 181.400(c) 46 CFR 76.27-5	
FF08.5	Verify location and spacing of detectors	46 CFR 181.400(c) 46 CFR 76.27-10	
FF08.6	Verify independent module smoke detection system(s)	46 CFR 181.400(e) 46 CFR 181.450	

Verifying Officer Guidance: *The trainee shall show a working knowledge of fire detection systems and the test, maintenance and approval requirements.*

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

T-Boat Inspector (TI)

Certificate of Inspection

Firefighting System Inspection (FF)

Small Passenger Vessel (T)

Task: TI-FF09 Inspect fire buckets

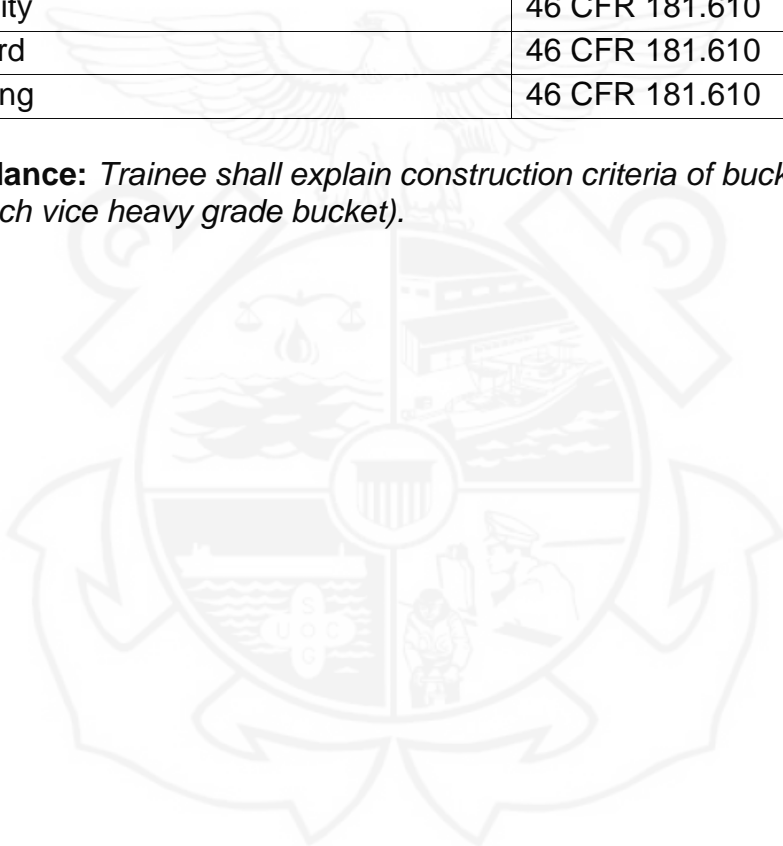
Condition: *During firefighting equipment inspection*

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

References: 1. Title 46, Code of Federal Regulations Part 181 SPV-T - Fire Protection Equipment

Steps		References	Initials
FF09.1	Verify size	46 CFR 181.610	
FF09.2	Verify quantity	46 CFR 181.610	
FF09.3	Verify lanyard	46 CFR 181.610	
FF09.4	Verify marking	46 CFR 181.610	

Verifying Officer Guidance: *Trainee shall explain construction criteria of bucket (lightweight plastic bucket used at the beach vice heavy grade bucket).*



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

T-Boat Inspector (TI)

Certificate of Inspection

Firefighting (FF)

Small Passenger Vessel (T)

Task: TI-FF10 Verify structural fire protection on fiberglass hull

Condition: *During initial construction/modification*

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

References: 1. Title 46, Code of Federal Regulations Part 177 SPV-T - Construction & Arrangement

Steps		References	Initials
FF10.1	Verify fire retardant resin	46 CFR 177.410(b)	
FF10.2	Verify general purpose resin requirements	46 CFR 177.410(c)	

Verifying Officer Guidance:



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

T-Boat Inspector (TI)**Certificate of Inspection****Machinery Equipment Inspection (MI)****Small Passenger Vessel (T)****Task:** TI-MI01 Inspect steering gear**Condition:** *During machinery equipment inspection***Standard:** *In compliance with applicable policies, laws, regulations and standards*

- References:**
1. Title 46, Code of Federal Regulations Part 176 SPV-T - Inspection & Certification
 2. Title 46, Code of Federal Regulations Part 182 SPV-T - Machinery Installation
 3. Title 46, Code of Federal Regulations Part 184 SPV-T - Vessel Control & Miscellaneous Systems & Equipment
 4. COMDTINST M16000.7B Marine Safety Manual Volume II Material Inspection Ch-2

Steps		References	Initials
MI01.1	Inspect electrical, mechanical, and hydraulic connections and linkages of main and auxiliary (emergency) systems	46 CFR 176.814 46 CFR 182.610 MSM II/C.4.B	
MI01.2	Verify operation of communications between bridge and emergency steering station(s)	46 CFR 184.602(b)	
MI01.3	Witness operational test of systems, in all modes of operation from emergency steering station(s)	46 CFR 182.610(b) 46 CFR 182.610(c) 46 CFR 182.620	
MI01.4	Verify accuracy of rudder angle indicator	46 CFR 182.610(f)(2)	
MI01.5	Verify steering control transfer procedures	46 CFR 182.610(g)(2)	
MI01.6	Witness operational test of auxiliary (emergency) steering arrangement	46 CFR 182.620(a) 46 CFR 182.620(b)	

Verifying Officer Guidance: *The trainee shall also demonstrate a working knowledge of equipment's nomenclature, function and safe operation.*

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

EMPLID:

Verifying Officer's Signature:

Date:

T-Boat Inspector (TI)

Certificate of Inspection

Machinery Equipment Inspection (MI)

Small Passenger Vessel (T)

Task: TI-MI02 Inspect fuel oil service system

Condition: *During machinery equipment inspection*

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

- References:**
1. Title 46, Code of Federal Regulations Part 182 SPV-T - Machinery Installation
 2. American Bureau Yacht Counsel (ABYC) H-25 Portable Gasoline Fuel Systems for Flammable Liquids, 1994

Steps		References	Initials
MI02.1	Verify installation, arrangement and condition of piping, manifolds and filters	46 CFR 182.455	
MI02.2	Inspect portable fuel system	46 CFR 182.458 ABYC H-25	
MI02.3	Witness tests of remote shutdown(s)	46 CFR 182.455(b)(4)	
MI02.4	Inspect nonmetallic flexible hoses and fittings	46 CFR 182.720(e)	

Verifying Officer Guidance:



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

T-Boat Inspector (TI)**Certificate of Inspection****Machinery Equipment Inspection (MI)****Small Passenger Vessel (T)****Task:** TI-MI03 Inspect main propulsion system(s)**Condition:** *During machinery equipment inspection***Standard:** *In compliance with applicable policies, laws, regulations and standards*

- References:**
1. Title 46, Code of Federal Regulations Part 176 SPV-T - Inspection & Certification
 2. Title 46, Code of Federal Regulations Part 177 SPV-T - Construction & Arrangement
 3. Title 46, Code of Federal Regulations Part 182 SPV-T - Machinery Installation

Steps		References	Initials
MI03.1	Examine condition, installation and arrangements of system components	46 CFR 182.200 & .220 46 CFR 182.410, 176.804	
MI03.2	Examine foundations for structural integrity	46 CFR 176.404(a)	
MI03.3	Verify installation of protective covers or guards	46 CFR 177.960	
MI03.4	Examine system's hull penetrations for structural integrity	46 CFR 182.420	
MI03.5	Witness operational test of main propulsion machinery	46 CFR 176.804(a)	

Verifying Officer Guidance: *The trainee shall also demonstrate a working knowledge of equipment's nomenclature, function and safe operation.*

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

EMPLID:

Verifying Officer's Signature:

Date:

T-Boat Inspector (TI)**Certificate of Inspection****Machinery Equipment Inspection (MI)****Small Passenger Vessel (T)****Task:** TI-MI04 Inspect unfired pressure vessels (UPVs)**Condition:** During machinery equipment inspection**Standard:** In compliance with applicable policies, laws, regulations and standards

- References:**
1. Title 46, Code of Federal Regulations Part 54 Pressure Vessels
 2. Title 46, Code of Federal Regulations Part 61 Marine Engineering - Periodic Tests & Inspections
 3. Title 46, Code of Federal Regulations Part 176 SPV-T - Inspection & Certification
 4. Title 46, Code of Federal Regulations Part 182 SPV-T - Machinery Installation
 5. COMDTINST M16000.7B Marine Safety Manual Volume II Material Inspection Ch-2

Steps		References	Initials
MI04.1	Verify data plate(s) are legible	46 CFR 54.10-20	
MI04.2	Determine if UPV is exempt from inspection	46 CFR 182.330 46 CFR 54.01-15	
MI04.3	Verify external exam, internal exam and/or hydrostatic test needs	46 CFR 176.812 46 CFR 61.10-5(b) 46 CFR 61.10-5(d) & (e)	
MI04.4	Inspect externally	46 CFR 61.10-5(b)(1)	
MI04.5	Inspect internally	46 CFR 61.10-5(b)(2) 46 CFR 54.01-35 MSM II/B.1.O.4.a	
MI04.6	Witness hydrostatic test	46 CFR 61.10-5(d) 46 CFR 61.10-5(e)(4) MSM II/B.1.O.4.b	
MI04.7	Verify installation and operation of pressure gauges	46 CFR 54.15-5(f)	
MI04.8	Verify installation and operation of pressure-relieving devices	46 CFR 54.15-5 46 CFR 61.10-5(i) 46 CFR 54.15-10(a) & (g)	

Verifying Officer Guidance: *The trainee shall also demonstrate a working knowledge of equipment's nomenclature, function and safe operation.*

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

EMPLID:

Verifying Officer's Signature:

Date:

T-Boat Inspector (TI)

Certificate of Inspection

Machinery Equipment Inspection (MI)

Small Passenger Vessel (T)

Task: TI-MI05 Inspect bilge system

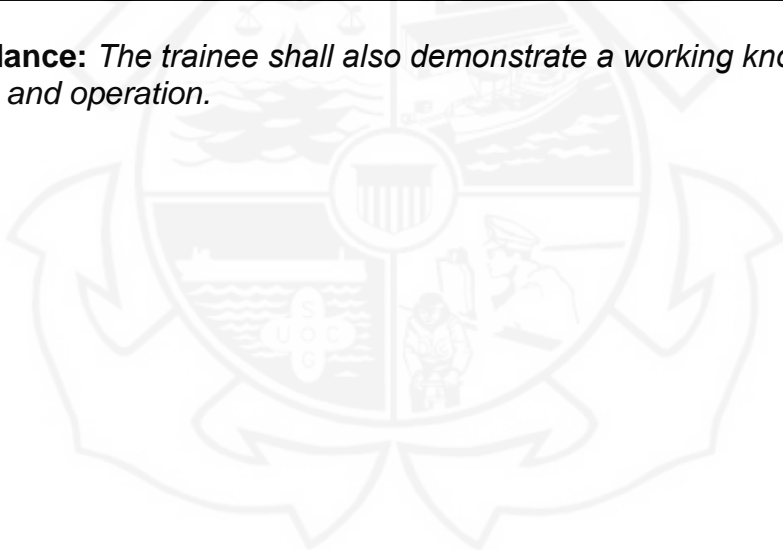
Condition: During machinery equipment inspection

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

- References:**
1. Title 33, Code of Federal Regulations Part 155 Oil or Hazardous Material Pollution Prevention Regulations for Vessels
 2. Title 46, Code of Federal Regulations Part 176 SPV-T - Inspection & Certification
 3. Title 46, Code of Federal Regulations Part 182 SPV-T - Machinery Installation

Steps		References	Initials
MI05.1	Verify location and operation of pump(s)	46 CFR 176.804(h) 46 CFR 182.520	
MI05.2	Inspect manifolds, valves and piping	46 CFR 182.510 46 CFR 182.520(f)	
MI05.3	Verify bilge system pumping capabilities	46 CFR 182.520(a)	
MI05.4	Verify bilge suction(s) are fitted with strainer(s)	46 CFR 182.510(b)	
MI05.5	Verify pollution placard is posted	33 CFR 155.450	

Verifying Officer Guidance: *The trainee shall also demonstrate a working knowledge of equipment's nomenclature, function and operation.*



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

T-Boat Inspector (TI)

Certificate of Inspection

Machinery Equipment Inspection (MI)

Small Passenger Vessel (T)

Task: TI-MI06 Inspect (wet & dry) exhaust system(s)

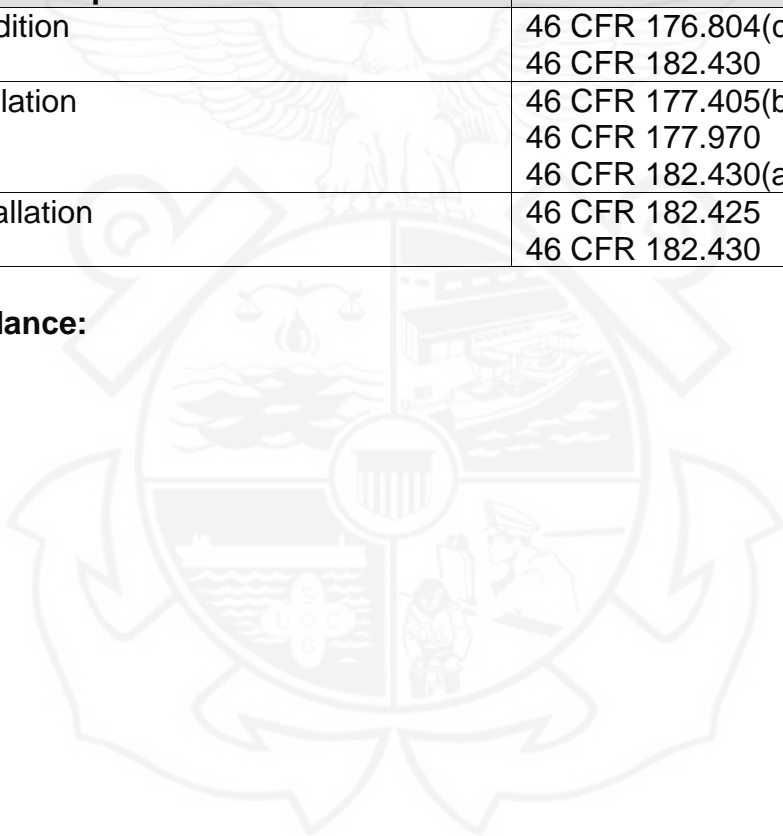
Condition: *During machinery equipment inspection*

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

- References:**
1. Title 46, Code of Federal Regulations Part 176 SPV-T - Inspection & Certification
 2. Title 46, Code of Federal Regulations Part 177 SPV-T - Construction & Arrangement
 3. Title 46, Code of Federal Regulations Part 182 SPV-T - Machinery Installation

Steps		References	Initials
MI06.1	Inspect condition	46 CFR 176.804(c) 46 CFR 182.430	
MI06.2	Inspect insulation	46 CFR 177.405(b) 46 CFR 177.970 46 CFR 182.430(a)	
MI06.3	Inspect installation	46 CFR 182.425 46 CFR 182.430	

Verifying Officer Guidance:



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

T-Boat Inspector (TI)

Certificate of Inspection

Machinery Equipment Inspection (MI)

Small Passenger Vessel (T)

Task: TI-MI07 Inspect auxiliary boiler(s)

Condition: During machinery equipment inspection

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

- References:**
1. Title 46, Code of Federal Regulations Part 54 Pressure Vessels
 2. Title 46, Code of Federal Regulations Part 61 Marine Engineering - Periodic Tests & Inspections
 3. Title 46, Code of Federal Regulations Part 176 SPV-T - Inspection & Certification

Steps		References	Initials
MI07.1	Verify maximum allowable working pressure (MAWP)	46 CFR 54.10-20	
MI07.2	Inspect internal	46 CFR 176.812(b) 46 CFR 61.05-10 Table	
MI07.3	Inspect mounts	46 CFR 61.05-15(a)-(d) 46 CFR 61.05-10 Table	
MI07.4	Inspect columns, gauge glasses and gauge cocks	46 CFR 61.05-15(e)	
MI07.5	Inspect steam gauge	46 CFR 61.05-15(f) 46 CFR 61.05-10 Table	
MI07.6	Inspect safety valves	46 CFR 176.704 46 CFR 61.05-10 Table & .05-20 46 CFR 54.15-10	

Verifying Officer Guidance: Trainees should be aware that additional guidance on the above steps can be found on the water tube propulsion boiler PQS cards.

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

T-Boat Inspector (TI)

Certificate of Inspection

Electrical Systems Inspection (ES)

Small Passenger Vessel (T)

Task: TI-ES01 Inspect distribution panel(s) and switchboard(s)

Condition: During machinery equipment inspection

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

- References:**
1. Title 46, Code of Federal Regulations Part 111 Electric Systems General Requirements
 2. Title 46, Code of Federal Regulations Part 183 SPV-T - Electrical Installation

Steps		References	Initials
ES01.1	Verify location, condition and installation	46 CFR 183.330(a) - (e) 46 CFR 183.330(h)	
ES01.2	Verify blanks are installed	46 CFR 183.330(i)	
ES01.3	Verify circuit directory	46 CFR 183.220(d)	
ES01.4	Verify warning sign and curcuits if more than one source of power supplies panel	46 CFR 183.220(e)	
ES01.5	Verify matting or grating on deck	46 CFR 183.330(f)	
ES01.6	Verify sized correctly	46 CFR 183.330(j) 46 CFR 111.30-19(a)	

Verifying Officer Guidance: *The trainee shall also demonstrate a working knowledge of equipment's nomenclature, function and safe operation.*



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

T-Boat Inspector (TI)

Certificate of Inspection

Electrical Systems Inspection (ES)

Small Passenger Vessel (T)

Task: TI-ES02 Inspect main service generator(s) and prime mover(s)

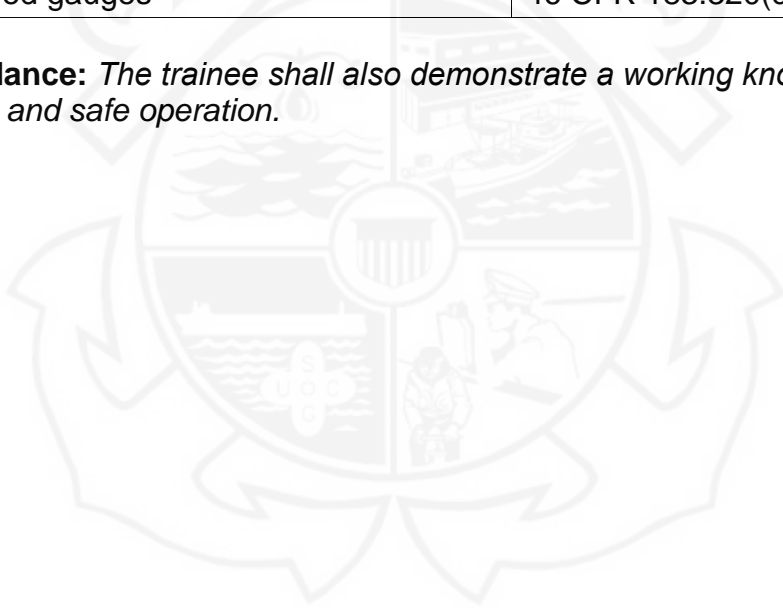
Condition: During machinery equipment inspection while engine(s) is/are running

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

- References:**
1. Title 46, Code of Federal Regulations Part 177 SPV-T - Construction & Arrangement
 2. Title 46, Code of Federal Regulations Part 183 SPV-T - Electrical Installation

Steps		References	Initials
ES02.1	Verify power source(s) requirements	46 CFR 183.310	
ES02.2	Examine condition of generator(s) and prime mover(s)' components	46 CFR 183.320	
ES02.3	Verify installation of protective covers or guards	46 CFR 177.960	
ES02.4	Verify generator(s) nameplates are attached	46 CFR 183.320(d)	
ES02.5	Verify required gauges	46 CFR 183.320(c)	

Verifying Officer Guidance: *The trainee shall also demonstrate a working knowledge of equipment's nomenclature, function and safe operation.*



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

T-Boat Inspector (TI)

Certificate of Inspection

Electrical Systems Inspection (ES)

Small Passenger Vessel (T)

Task: TI-ES03 Inspect lighting systems

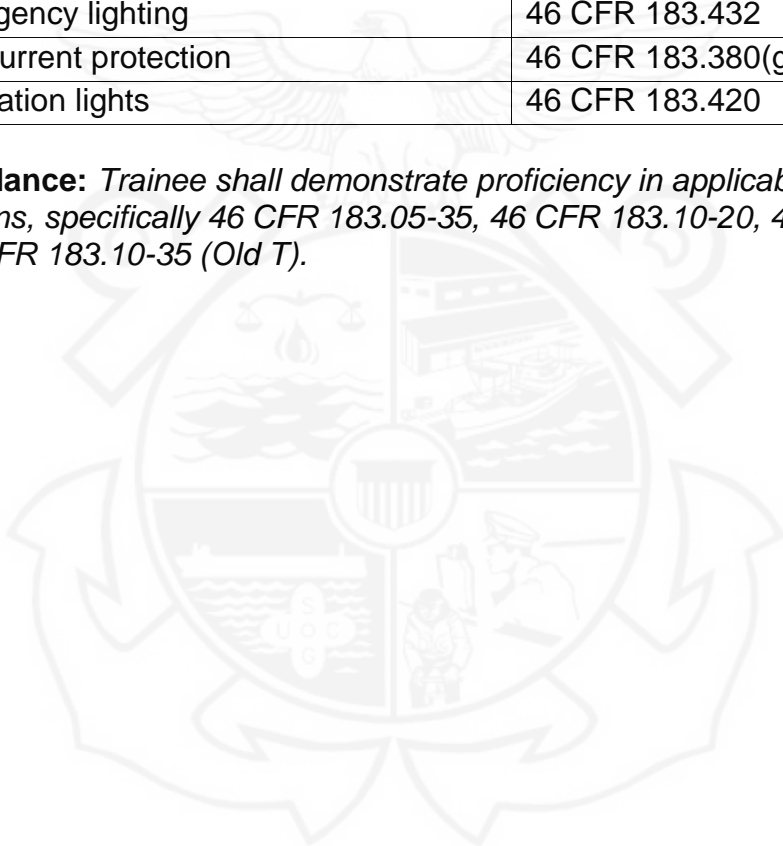
Condition: *During electrical systems inspection*

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

References: 1. Title 46, Code of Federal Regulations Part 183 SPV-T - Electrical Installation

Steps		References	Initials
ES03.1	Verify light fixtures	46 CFR 183.410	
ES03.2	Verify presence of portable lights	46 CFR 183.430	
ES03.3	Verify emergency lighting	46 CFR 183.432	
ES03.4	Verify overcurrent protection	46 CFR 183.380(g)&(m)	
ES03.5	Verify navigation lights	46 CFR 183.420	

Verifying Officer Guidance: *Trainee shall demonstrate proficiency in applicability of "old" and "new" subchapter T regulations, specifically 46 CFR 183.05-35, 46 CFR 183.10-20, 46 CFR 184.30-1, 46 CFR 184.30, and 46 CFR 183.10-35 (Old T).*



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

T-Boat Inspector (TI)

Certificate of Inspection

Electrical Systems Inspection (ES)

Small Passenger Vessel (T)

Task: TI-ES04 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 111 Electric Systems General Requirements
 2. Title 46, Code of Federal Regulations Part 183 SPV-T - Electrical Installation

Steps		References	Initials
ES04.1	Determine battery category	46 CFR 183.352	
ES04.2	Verify ventilation	46 CFR 183.354 46 CFR 111.15-10	
ES04.3	Verify properly installed and secured	46 CFR 183.350(b)&(e) 46 CFR 183.354	
ES04.4	Verify space for maintenance and removal	46 CFR 183.350(c)	
ES04.5	Verify ammeter connected in the charging circuit	46 CFR 183.350(f)	
ES04.6	Verify proper ventilation of charger	46 CFR 183.350(a)	
ES04.7	Verify connections	46 CFR 183.350(d)	

Verifying Officer Guidance: *The trainee shall also demonstrate a working knowledge of equipment's nomenclature, function and safe operation.*

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

T-Boat Inspector (TI)

Certificate of Inspection

Electrical Systems Inspection (ES)

Small Passenger Vessel (T)

Task: TI-ES05 Inspect electrical cable and fixtures

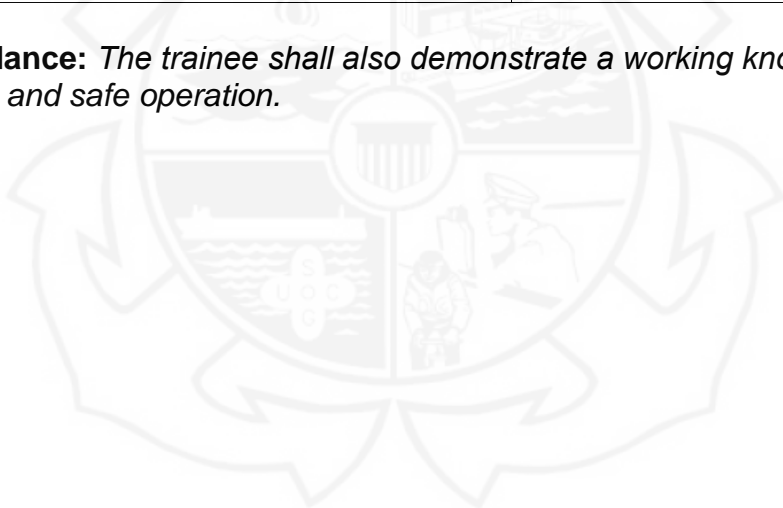
Condition: During machinery equipment inspection

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

- References:**
1. Title 46, Code of Federal Regulations Part 111 Electric Systems General Requirements
 2. Title 46, Code of Federal Regulations Part 183 SPV-T - Electrical Installation

Steps		References	Initials
ES05.1	Verify supports for vertical and horizontal installations	46 CFR 183.340(b)(4)	
ES05.2	Verify radius of bends	46 CFR 183.340(b)(5)	
ES05.3	Verify no hazardous conditions exist	46 CFR 183.200-220 46 CFR 183.530 46 CFR 111.105	
ES05.4	Verify condition of outlets	46 CFR 183.220(c)	
ES05.5	Verify connection types	46 CFR 183.340(g)	
ES05.6	Inspect cable size and condition	46 CFR 183.340(d)	

Verifying Officer Guidance: *The trainee shall also demonstrate a working knowledge of equipment's nomenclature, function and safe operation.*



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

T-Boat Inspector (TI)

Certificate of Inspection

Electrical Systems Inspection (ES)

Small Passenger Vessel (T)

Task: TI-ES06 Inspect components installed in designated hazardous areas

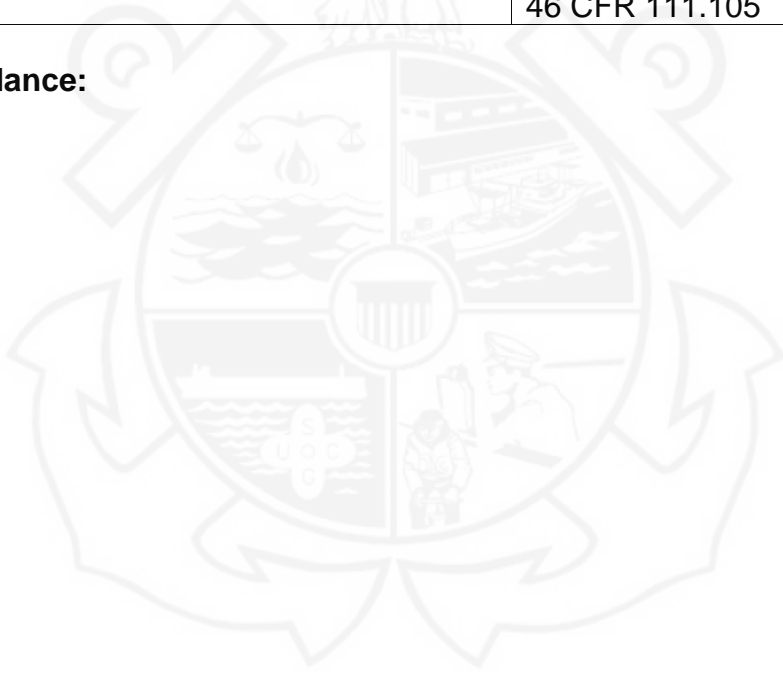
Condition: *During machinery equipment inspection*

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

- References:**
1. Title 46, Code of Federal Regulations Part 111 Electric Systems General Requirements
 2. Title 46, Code of Federal Regulations Part 183 SPV-T - Electrical Installation

Steps		References	Initials
ES06.1	Verify hazardous area(s)	46 CFR 183.530(a) 46 CFR 183.530(b)	
ES06.2	Verify electrical equipment for hazardous area(s)	46 CFR 183.530(b) 46 CFR 183.530(c)	
ES06.3	Verify integrity of equipment	46 CFR 183.530(c) 46 CFR 111.105	

Verifying Officer Guidance:



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

T-Boat Inspector (TI)

Certificate of Inspection

Stability (ST)

Small Passenger Vessel (T)

Task: TI-ST01 Witness simplified stability proof test

Condition: *During inspection*

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

- References:**
1. Title 46, Code of Federal Regulations Part 176 SPV-T - Inspection & Certification
 2. Title 46, Code of Federal Regulations Part 178 SPV-T - Intact Stability & Seaworthiness
 3. CG-4006 Small Passenger Vessels - Simplified Stability Test (SST) Procedure Form (Rev. 12-12)

Steps		References	Initials
ST01.1	Determine applicability	46 CFR 178.310(c) 46 CFR 178.320 CG-4006	
ST01.2	Validate passengers and crew permitted	46 CFR 176.112 46 CFR 176.113	
ST01.3	Verify loaded condition; cargo, dive gear, etc.	46 CFR 178.330 CG-4006	
ST01.4	Verify test weight(s) and their vertical center of gravity	46 CFR 178.215 46 CFR 178.330	
ST01.5	Complete CG-4006 form calculations	46 CFR 178.330 CG-4006	
ST01.6	Witness and document simplified stability test	46 CFR 178.330 CG-4006	
ST01.7	Draft a stability letter for signature	46 CFR 178.210	

Verifying Officer Guidance: *Apprentice should demonstrate enough knowledge to lead the test.*

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

T-Boat Inspector (TI)

Certificate of Inspection

Stability (ST)

Small Passenger Vessel (T)

Task: TI-ST02 Witness pontoon simplified stability test

Condition: *During inspection*

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

- References:**
1. Title 46, Code of Federal Regulations Part 176 SPV-T - Inspection & Certification
 2. Title 46, Code of Federal Regulations Part 178 SPV-T - Intact Stability & Seaworthiness
 3. CG Pontoon Simplified Stability Test (PSST) Procedure Form (Rev. 1-11)

Steps		References	Initials
ST02.1	Determine applicability	46 CFR 178.310(c) 46 CFR 178.320 PSST Form	
ST02.2	Validate passengers and crew permitted	46 CFR 176.112 46 CFR 176.113	
ST02.3	Coordinate test date with Marine Safety Center (MSC) (Small Vessel Branch staff)	46 CFR 178.210(d)	
ST02.4	Verify loaded condition (cargo, dive gear, etc.)	46 CFR 178.340 PSST Form	
ST02.5	Verify test weight(s) and their vertical center of gravity	46 CFR 178.215 46 CFR 178.340	
ST02.6	Complete PSST form calculations	46 CFR 178.340 PSST Form	
ST02.7	Witness and document simplified stability test	46 CFR 178.340 PSST Form	
ST02.8	Verify MSC issues stability letter	46 CFR 178.210(d)	

Verifying Officer Guidance:

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

T-Boat Inspector (TI)**Certificate of Inspection****Stability (ST)****Small Passenger Vessel (T)**

Task: TI-ST03 Witness deadweight survey with or without inclining

Condition: During a deadweight survey with or without an inclining experiment

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

- References:**
1. Title 46, Code of Federal Regulations Part 170 Stability Requirements for All Inspected Vessels
 2. Title 46, Code of Federal Regulations Part 178 SPV-T - Intact Stability & Seaworthiness
 3. ASTM F1321 Standard Guide for Conducting a Stability Test (Lightweight Survey and Inclining Experiment) to Determine the Light Ship Displacement and Centers of Gravity of a Vessel, 2014
 4. Approved Stability Test Procedures (Issued by MSC)

Steps		References	Initials
ST03.1	Determine applicability	46 CFR 178.310(a) 46 CFR 178.310(b) 46 CFR 170.001, .070 & .075	
ST03.2	Verify intended service (Exposed, Partially Protected, Protected)	46 CFR 175.400	
ST03.3	Review approved stability test procedure and MSC approval letter	46 CFR 170.185	
ST03.4	Discuss acceptable deviations from requirements of procedure (contact MSC)	46 CFR 170.190	
ST03.5	Assess General Condition of the vessel (completeness, configuration reflects as-built plans, tankage, mooring arrangement, environment, specific gravity with hydrometer)	ASTM F1321 6.1	
ST03.6	Verify test weights are certified and current (inclining only)	ASTM F1321 6.5.2.1	
ST03.7	Witness precise survey of items to be added, removed and/or relocated	ASTM F1321 6.5 Test Procedures	
ST03.8	Witness pendulum reading	ASTM F1321 8.1.3.6	

[Task TI-ST03 continued on next page]

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

EMPLID:

Verifying Officer's Signature:

Date:

ST03.9	Witness accurate/precise freeboard measurements and resulting calculation/linear plot	ASTM F1321 8.1.2	
ST03.10	Witness weight movement and resulting weight moment plot, verify appropriate scale and straight line (inclining only)	ASTM F1321 8.1.3	

Verifying Officer Guidance: *The trainee shall demonstrate a working knowledge of stability test requirements. Trainee should contact MSC Small Vessel Branch to obtain the most recent version of the "Stability Test Checklist for Witnessing Inspectors". The trainee should demonstrate how to properly document the test and obtain a copy of field notes to be sent to the Marine Safety Center (with USCG initials) upon completion.*



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

T-Boat Inspector (TI)

Certificate of Inspection

Stability (ST)

Small Passenger Vessel (T)

Task: TI-ST04 Verify drainage requirements

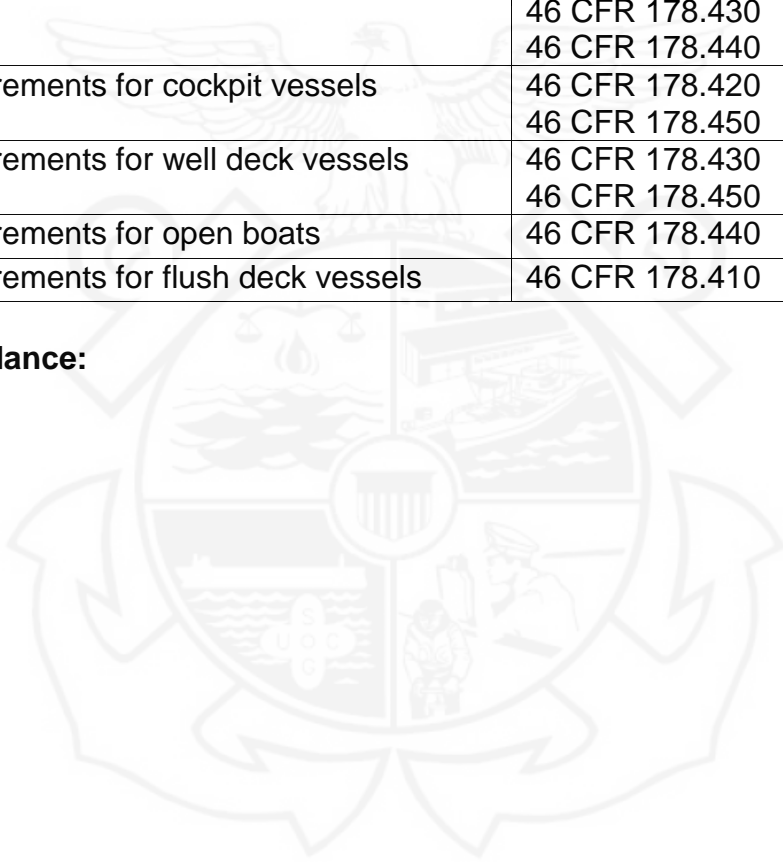
Condition: *During inspection*

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

References: 1. Title 46, Code of Federal Regulations Part 178 SPV-T - Intact Stability & Seaworthiness

Steps		References	Initials
ST04.1	Determine vessel type	46 CFR 178.410 & .420 46 CFR 178.430 46 CFR 178.440	
ST04.2	Verify requirements for cockpit vessels	46 CFR 178.420 46 CFR 178.450	
ST04.3	Verify requirements for well deck vessels	46 CFR 178.430 46 CFR 178.450	
ST04.4	Verify requirements for open boats	46 CFR 178.440	
ST04.5	Verify requirements for flush deck vessels	46 CFR 178.410	

Verifying Officer Guidance:



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

T-Boat Inspector (TI)

Certificate of Inspection

Stability (ST)

Small Passenger Vessel (T)

Task: TI-ST05 Verify simplified subdivision

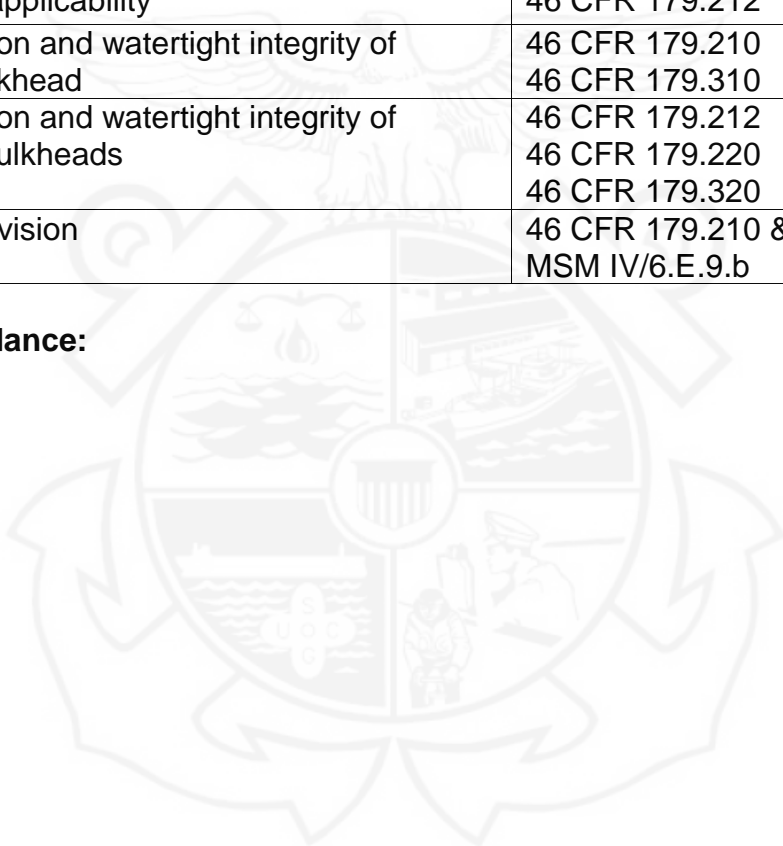
Condition: *During inspection*

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

- References:**
1. Title 46, Code of Federal Regulations Part 179 SPV-T - Subdivision, Damage Stability & Watertight Integrity
 2. COMDTINST M16000.9 Marine Safety Manual Volume IV Technical

Steps		References	Initials
ST05.1	Determine applicability	46 CFR 179.212	
ST05.2	Verify location and watertight integrity of collision bulkhead	46 CFR 179.210 46 CFR 179.310	
ST05.3	Verify location and watertight integrity of watertight bulkheads	46 CFR 179.212 46 CFR 179.220 46 CFR 179.320	
ST05.4	Verify subdivision	46 CFR 179.210 & .220 MSM IV/6.E.9.b	

Verifying Officer Guidance:



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

T-Boat Inspector (TI)**Certificate of Inspection****Structural/Watertight Integrity Inspection (SW)****Small Passenger Vessel (T)**

Task: TI-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 170 Stability Requirements for All Inspected Vessels
 2. Title 46, Code of Federal Regulations Part 174 Subdivision & Stability - Specific Vessel Types
 3. Title 46, Code of Federal Regulations Part 179 SPV-T - Subdivision, Damage Stability & Watertight Integrity
 4. Title 46, Code of Federal Regulations Part 185 SPV-T - Operations
 5. COMDTINST M16000.7B Marine Safety Manual Volume II Material Inspection Ch-2

Steps		References	Initials
SW01.1	Verify condition of knife edges	46 CFR 179.330(c) 46 CFR 174.210	
SW01.2	Verify condition of gasket material	MSM II/B.1.E.5	
SW01.3	Verify watertight integrity between gasket and knife edge	46 CFR 174.210 46 CFR 170.270 MSM II/B.1.E.5	
SW01.4	Verify condition and operation of hinges and dogging devices	46 CFR 170.270	
SW01.5	Verify operation of Class-1 door's quick-acting closing device	46 CFR 179.330(b)	
SW01.6	Verify operation of indicator lights at the control station	46 CFR 179.330(b)	
SW01.7	Verify markings	46 CFR 185.610	

Verifying Officer Guidance: *The trainee shall also demonstrate a working knowledge of the equipment's nomenclature, function, type approval and operation.*

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

EMPLID:

Verifying Officer's Signature:

Date:

T-Boat Inspector (TI)**Certificate of Inspection****Structural/Watertight Integrity Inspection (SW)****Small Passenger Vessel (T)**

Task: TI-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 170 Stability Requirements for All Inspected Vessels
 2. Title 46, Code of Federal Regulations Part 179 SPV-T - Subdivision, Damage Stability & Watertight Integrity
 3. Title 46, Code of Federal Regulations Part 185 SPV-T - Operations
 4. ASTM F1196 Standard Specification for Sliding Watertight Door Assemblies, 2008
 5. ASTM F1197 Standard Specification for Sliding Watertight Door Control Systems, 2007

Steps		References	Initials
SW02.1	Verify operation of local controls	46 CFR 179.330(c) 46 CFR 170.270(c)(2) ASTM F1197/7.1	
SW02.2	Verify operation of remote controls	ASTM F1197/7.1	
SW02.3	Verify condition of replaceable interface between door and frame assembly	46 CFR 170.270(c)(1) ASTM F1196/6.3	
SW02.4	Verify operation of alarms	ASTM F1197/11.5	
SW02.5	Verify closing times are in compliance	ASTM F1197/11.2 ASTM F1197/11.4	
SW02.6	Verify markings	46 CFR 185.610 ASTM F1196/11.1 ASTM F1196/S4	
SW02.7	Verify watertight integrity	ASTM F1196/S1	
SW02.8	Verify operation of doors under reserve power	46 CFR 170.270(c)(3) ASTM F1197/S3	

Verifying Officer Guidance: *The trainee shall also demonstrate a working knowledge of the equipment's nomenclature, function, type approval and operation.*

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

EMPLID:

Verifying Officer's Signature:

Date:

T-Boat Inspector (TI)

Certificate of Inspection

Structural/Watertight Integrity Inspection (SW)

Small Passenger Vessel (T)

Task: TI-SW03 Inspect watertight bulkhead penetrations

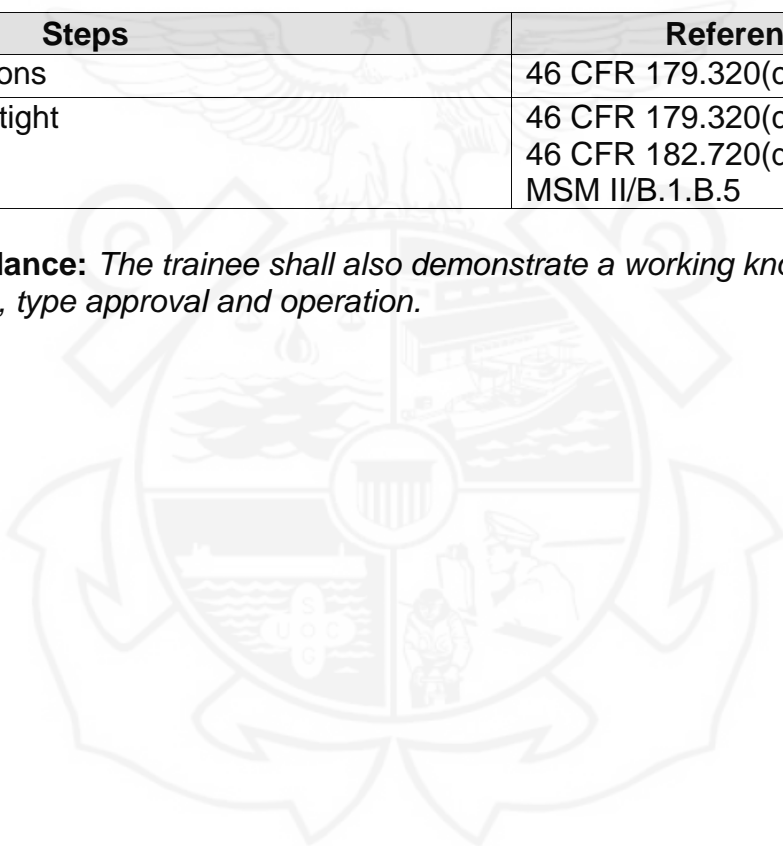
Condition: *During structural/watertight integrity inspection*

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

- References:**
1. Title 46, Code of Federal Regulations Part 179 SPV-T - Subdivision, Damage Stability & Watertight Integrity
 2. Title 46, Code of Federal Regulations Part 182 SPV-T - Machinery Installation
 3. COMDTINST M16000.7B Marine Safety Manual Volume II Material Inspection Ch-2

Steps		References	Initials
SW03.1	Verify locations	46 CFR 179.320(c)	
SW03.2	Verify watertight	46 CFR 179.320(c) 46 CFR 182.720(d)(1)(ii)(C) MSM II/B.1.B.5	

Verifying Officer Guidance: *The trainee shall also demonstrate a working knowledge of nomenclature, function, type approval and operation.*



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

T-Boat Inspector (TI)

Certificate of Inspection

Structural/Watertight Integrity Inspection (SW)

Small Passenger Vessel (T)

Task: TI-SW04 Inspect hull structure

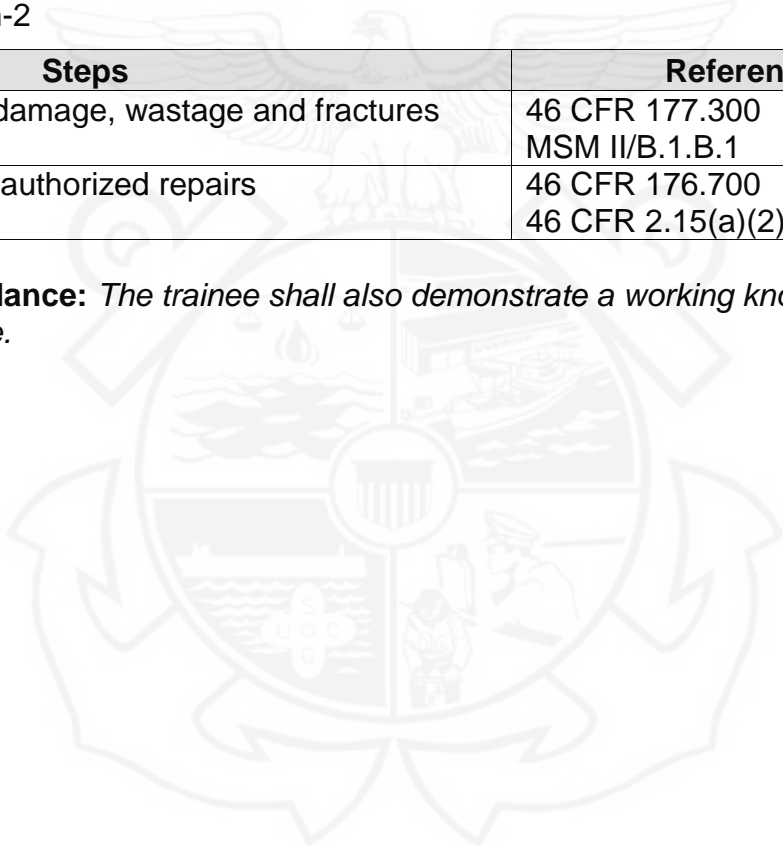
Condition: *During structural/watertight integrity inspection*

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

- References:**
1. Title 46, Code of Federal Regulations Part 2 Vessel Inspections
 2. Title 46, Code of Federal Regulations Part 176 SPV-T - Inspection & Certification
 3. Title 46, Code of Federal Regulations Part 177 SPV-T - Construction & Arrangement
 4. 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 177.300 MSM II/B.1.B.1	
SW04.2	Verify no unauthorized repairs	46 CFR 176.700 46 CFR 2.15(a)(2)	

Verifying Officer Guidance: *The trainee shall also demonstrate a working knowledge of vessel scantling nomenclature.*



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

T-Boat Inspector (TI)**Certificate of Inspection****Pollution Prevention Inspection (PP)****Small Passenger Vessel (T)****Task:** TI-PP01 Inspect sewage system**Condition:** *During pollution prevention inspection***Standard:** *In compliance with applicable policies, laws, regulations and standards*

References:

1. Title 33, Code of Federal Regulations Part 159 Marine Sanitation Devices
2. Title 46, Code of Federal Regulations Part 184 SPV-T - Vessel Control & Miscellaneous Systems & Equipment
3. COMDTINST M16000.7B Marine Safety Manual Volume II Material Inspection Ch-2

Steps		References	Initials
PP01.1	Verify presence of manufacturer's instructions	33 CFR 159.57	
PP01.2	Verify operation	33 CFR 159.57 46 CFR 184.704	
PP01.3	Verify capacity	33 CFR 159.57(b)(8)	
PP01.4	Verify piping and wiring	33 CFR 159.97	
PP01.5	Verify Marine Sanitation Device (MSD) approval	33 CFR 159.7 MSM II/B.6.F.4	
PP01.6	Verify instructions and warning placard posted	33 CFR 159.59	
PP01.7	Verify overboard discharge valve is closed and secure	33 CFR 159.7(b) 33 CFR 159.7(c)	

Verifying Officer Guidance: *The trainee shall also demonstrate a working knowledge of the equipment's nomenclature, function, type approval and operation. USCG White Paper <http://www.uscg.mil/hq/cg5/cg5213/docs/capacity.pdf>*

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

T-Boat Inspector (TI)

Certificate of Inspection

Pollution Prevention Inspection (PP)

Small Passenger Vessel (T)

Task: TI-PP02 Conduct garbage handling (MARPOL Annex V) survey

Condition: *During pollution prevention inspection*

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 46, Code of Federal Regulations Part 184 SPV-T - Vessel Control & Miscellaneous Systems & Equipment
 3. International Convention for the Prevention of Pollution from Ships (MARPOL) 1973, as modified

Steps		References	Initials
PP02.1	Review plan compliance	46 CFR 184.702 33 CFR 151.51 & .57 MARPOL V/9.2	
PP02.2	Verify handling of plastics	33 CFR 151.55 MARPOL V/9.3(b)	
PP02.3	Verify placards posted	33 CFR 151.59 MARPOL V/9.1(a)	

Verifying Officer Guidance: *The trainee shall also demonstrate a working knowledge of MARPOL Annex V applicability and requirements.*

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

T-Boat Inspector (TI)**Certificate of Inspection****Pollution Prevention Inspection (PP)****Small Passenger Vessel (T)**

Task: TI-PP03 Review Small Vessel General Permit (sVGP) / Vessel General Permit (VGP) compliance verification

Condition: *During pollution prevention inspection*

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. EPA Small Vessel General Permit for Discharges Incidental to the Normal Operation of Vessels Less Than 79 Feet (sVGP), 2014
 3. CG-543 Policy Letter 11-01 Guidelines for CG Evaluations of Compliance with the EPA's Vessel General Permit
 4. Federal Water Pollution Control Act (FWPCA)

Steps		References	Initials
PP03.1	Verify presence of Permit Authorization and Record of Inspection (PARI) Form	sVGP 1.3 sVGP Appendix A	
PP03.2	Verify Notice of Intent (NOI)	VGP 1.5.1.1 FWPCA Section 402 CG-543 Policy Ltr 11-01	
PP03.3	Review General Permit	CG-543 Policy Ltr 11-01	
PP03.4	Verify discharges are in compliance with VGP or sVGP	VGP 2.2.3.2 & 4.3 sVGP 1.4	
PP03.5	Verify log entries	VGP 4.1.1.1 & 4.2 sVGP 3.1	

Verifying Officer Guidance: *The trainee shall also demonstrate a working knowledge of sVGP and VGP applicability and requirements.*

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

EMPLID:

Verifying Officer's Signature:

Date:

T-Boat Inspector (TI)

Certificate of Inspection

Topside Equipment Inspection (TE)

Small Passenger Vessel (T)

Task: TI-TE01 Examine freeing ports and scuppers

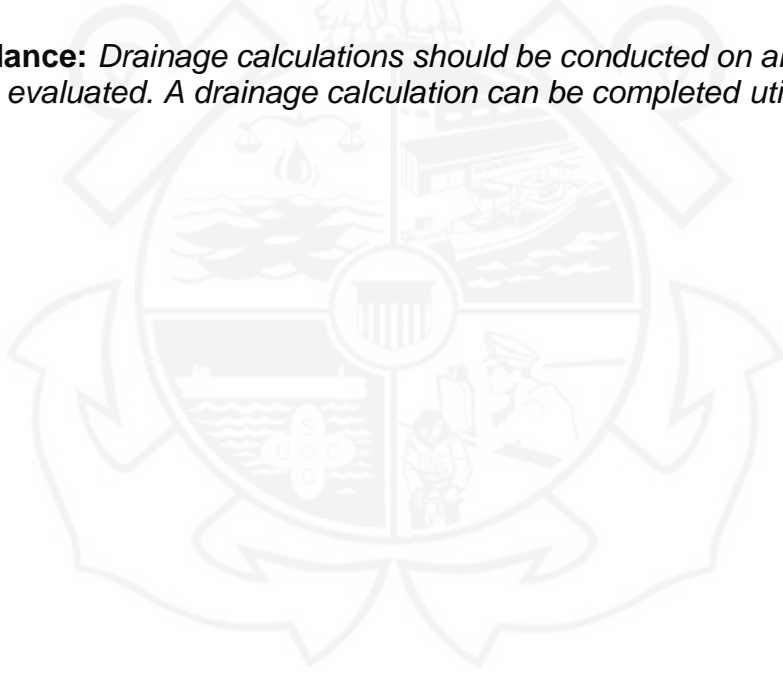
Condition: *During topside equipment and ground tackle inspection*

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

- References:**
1. Title 46, Code of Federal Regulations Part 176 SPV-T - Inspection & Certification
 2. Title 46, Code of Federal Regulations Part 178 SPV-T - Intact Stability & Seaworthiness
 3. Vessel's Stability Letter

Steps		References	Initials
TE01.1	Verify no modifications	46 CFR 176.700	
TE01.2	Verify unobstructed	46 CFR 178.410	
TE01.3	Verify free operation of any flowback device	46 CFR 178.230 Stability Letter	

Verifying Officer Guidance: *Drainage calculations should be conducted on an active vessel so that actual drainage can be evaluated. A drainage calculation can be completed utilizing vessel plans.*



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

T-Boat Inspector (TI)**Certificate of Inspection****Topside Equipment Inspection (TE)****Small Passenger Vessel (T)**

Task: TI-TE02 Examine ground tackle, mooring lines and related equipment

Condition: During topside equipment and ground tackle inspection

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

References: 1. Title 46, Code of Federal Regulations Part 184 SPV-T - Vessel Control & Miscellaneous Systems & Equipment

Steps		References	Initials
TE02.1	Determine size of anchor(s) required	46 CFR 184.300	
TE02.2	Verify operation of capstan	46 CFR 184.300	
TE02.3	Examine condition of anchoring equipment	46 CFR 184.300	
TE02.4	Verify ability to safely anchor	46 CFR 184.300	
TE02.5	Verify condition of bits, cleats, fairleads and winches	46 CFR 184.300	
TE02.6	Verify mooring lines/wires sizes and condition	46 CFR 184.300	

Verifying Officer Guidance: Trainee may use the following references as guidance (not all inclusive): ABS, West Marine www.westmarine.com/west advisor, Chapman's Piloting and Seamanship, etc. when determining proper anchor sizes.

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

EMPLID:

Verifying Officer's Signature:

Date:

T-Boat Inspector (TI)

Certificate of Inspection

Topside Equipment Inspection (TE)

Small Passenger Vessel (T)

Task: TI-TE03 Inspect port lights, dead covers and natural vent openings

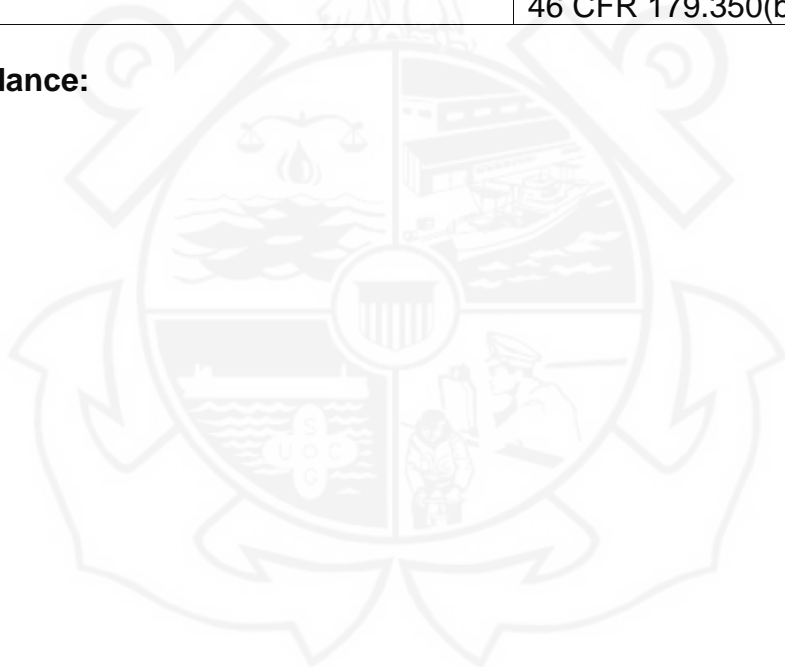
Condition: *During topside equipment and ground tackle inspection*

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

- References:**
1. Title 46, Code of Federal Regulations Part 179 SPV-T - Subdivision, Damage Stability & Watertight Integrity
 2. Title 46, Code of Federal Regulations Part 182 SPV-T - Machinery Installation

Steps		References	Initials
TE03.1	Verify covers are readily available and operational	46 CFR 182.460(l) 46 CFR 182.465(h)	
TE03.2	Inspect closing devices for proper fit and seal	46 CFR 182.460(l) 46 CFR 182.465(h)	
TE03.3	Inspect port lights and dead covers for proper fit and seal	46 CFR 179.350(a) 46 CFR 179.350(b)	

Verifying Officer Guidance:



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

T-Boat Inspector (TI)**Certificate of Inspection****Topside Equipment Inspection (TE)****Small Passenger Vessel (T)****Task:** TI-TE04 Inspect fuel tank venting**Condition:** *During topside equipment and ground tackle inspection***Standard:** *In compliance with applicable policies, laws, regulations and standards*

References:

1. Title 46, Code of Federal Regulations Part 182 SPV-T - Machinery Installation
2. American Boat and Yacht Council (ABYC) H-24 Gasoline Fuel Systems, 1993
3. American Boat and Yacht Council (ABYC) H-33 Diesel Fuel Systems, 1989

Steps		References	Initials
TE04.1	Verify condition and location	46 CFR 182.450(d) 46 CFR 182.450(f) ABYC H-33 & H-24	
TE04.2	Verify installation and condition of flame screen(s)	46 CFR 182.450(e)	
TE04.3	Verify installation of vent piping	46 CFR 182.450(h)	
TE04.4	Verify vent size	46 CFR 182.450(b) 46 CFR 182.450(c)	
TE04.5	Verify condition of flexible vent pipe sections	46 CFR 182.450(g)	

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

T-Boat Inspector (TI)

Certificate of Inspection

Topside Equipment Inspection (TE)

Small Passenger Vessel (T)

Task: TI-TE05 Inspect rails and guards

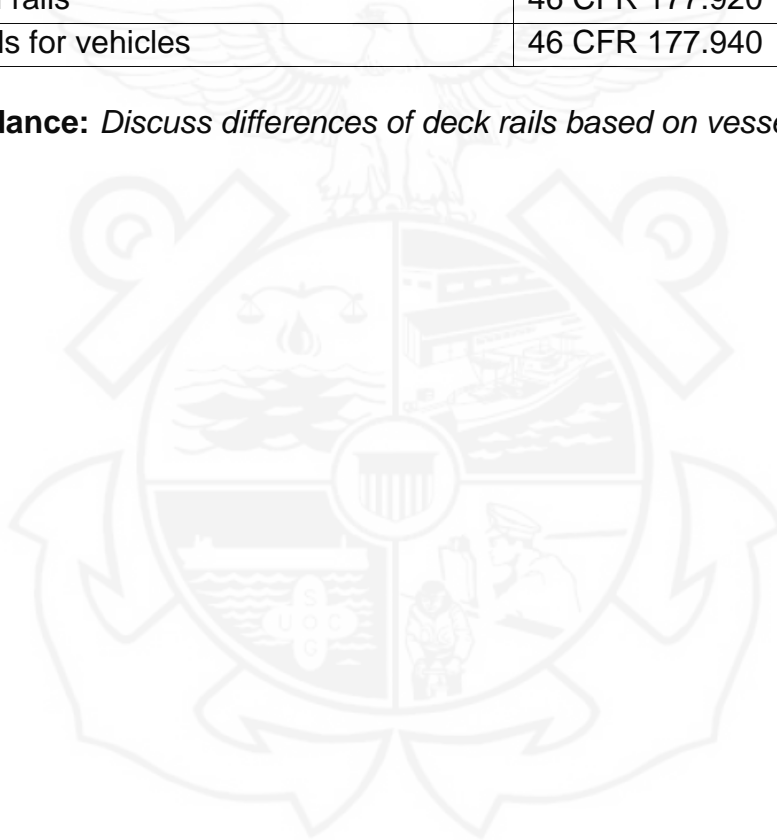
Condition: *During topside equipment and ground tackle inspection*

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

References: 1. Title 46, Code of Federal Regulations Part 177 SPV-T - Construction & Arrangement

Steps		References	Initials
TE05.1	Verify rail heights and courses	46 CFR 177.900	
TE05.2	Verify storm rails	46 CFR 177.920	
TE05.3	Verify guards for vehicles	46 CFR 177.940	

Verifying Officer Guidance: *Discuss differences of deck rails based on vessel service in accordance with 46 CFR 177.900.*



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

T-Boat Inspector (TI)

Certificate of Inspection

Emergency Drills (ED)

Small Passenger Vessel (T)

Task: TI-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 176 SPV-T - Inspection & Certification
 2. Title 46, Code of Federal Regulations Part 185 SPV-T - Operations
 3. COMDTINST M16000.7B Marine Safety Manual Volume II Material Inspection Ch-2

Steps		References	Initials
ED01.1	Witness fire drill	46 CFR 185.524 46 CFR 176.810(d) MSM II/B.2.D.3	
ED01.2	Verify crew's ability to organize	46 CFR 185.524(b)(2)	
ED01.3	Verify crew's familiarity with their duties	46 CFR 185.524(b)(2)	
ED01.4	Verify crew's familiarity with use of equipment	46 CFR 185.524(b)(3)	
ED01.5	Verify method of summoning passengers to muster or embarkation stations	46 CFR 185.524(b)(2)	
ED01.6	Verify effective communication with master	46 CFR 185.524(b)(2)	

Verifying Officer Guidance: *The trainee shall also 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.*

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

T-Boat Inspector (TI)

Certificate of Inspection

Emergency Drills (ED)

Small Passenger Vessel (T)

Task: TI-ED02 Evaluate Man Overboard 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 176 SPV-T - Inspection & Certification
 2. Title 46, Code of Federal Regulations Part 180 SPV-T - Lifesaving Equipment & Arrangements
 3. Title 46, Code of Federal Regulations Part 185 SPV-T Operations

Steps		References	Initials
ED02.1	Verify ability to recover a helpless person	46 CFR 176.808(g) 46 CFR 185.520	
ED02.2	Verify crew's ability to organize	46 CFR 185.520	
ED02.3	Verify crew's familiarity with their duties	46 CFR 180.210 46 CFR 185.520	
ED02.4	Witness launching of rescue boat	46 CFR 185.520	
ED02.5	Evaluate crew's proficiency in handling and maneuvering the rescue boat in the water	46 CFR 180.210 46 CFR 185.520	
ED02.6	Evaluate crew's proficiency in handling and maneuvering the vessel in the water	46 CFR 180.210 46 CFR 185.520	
ED02.7	Verify operational readiness and condition of rescue platform	46 CFR 185.700	

Verifying Officer Guidance: *The trainee shall also 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.*

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

T-Boat Inspector (TI)**Certificate of Inspection****Emergency Drills (ED)****Small Passenger Vessel (T)****Task:** TI-ED03 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 176 SPV-T - Inspection & Certification
2. Title 46, Code of Federal Regulations Part 185 SPV-T - Operations

Steps		References	Initials
ED03.1	Witness drill	46 CFR 176.808(g) 46 CFR 185.520	
ED03.2	Verify means or summoning crew and passengers	46 CFR 185.520(b)(1) 46 CFR 185.520(b)(2)	
ED03.3	Verify crew's familiarity with assigned duties	46 CFR 185.520(a)	
ED03.4	Verify all lifejackets are correctly donned	46 CFR 185.520(b)(3)	
ED03.5	Witness means of launching survival craft	46 CFR 185.520(b)(4) 46 CFR 185.520(b)(5)	

Verifying Officer Guidance: *The trainee shall also 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.*

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

EMPLID:

Verifying Officer's Signature:

Date:

T-Boat Inspector (TI)**Drydock Examination****Hull Inspection (HI)****Small Passenger Vessel (T)**

Task: TI-HI01 Inspect steel and aluminum hulls

Condition: During drydock Inspection

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

- References:**
1. Title 46, Code of Federal Regulations Part 176 SPV-T - Inspection & Certification
 2. COMDTINST M16000.7B Marine Safety Manual Volume II Material Inspection Ch-2
 3. ABS Rules for Building and Classing Steel Vessels, 1995 Part 7 Survey After Construction
 4. NVIC 07-68 Notes on Inspection and Repair of Steel Hulls
 5. NVIC 11-80 Structural Plan Review Guidelines for Aluminum Small Passenger Vessels

Steps		References	Initials
HI01.1	Examine for wastage, defect(s) and damage	46 CFR 176.802 46 CFR 176.610	
HI01.2	Examine critical areas (stringer plate, sheer plate, etc.)	46 CFR 176.802(a)(1) NVIC 07-68 Section IV(B) NVIC 11-80	
HI01.3	Examine seachests and overboard discharges for wastage, defect(s) and damage	46 CFR 176.802(a)(2) NVIC 07-68 Section II(A)	
HI01.4	Verify condition of drydock (bottom) plugs	46 CFR 176.802(a)(7) NVIC 07-68 Section II(A) MSM II/B.3.B	
HI01.5	Verify wastage/corrosion is within limits	NVIC 07-68 Section III(C) ABS 7-A-4/27	

Verifying Officer Guidance: *The trainee shall also demonstrate a working knowledge of vessel construction and repair nomenclature including scantlings/structural members.*

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

EMPLID:

Verifying Officer's Signature:

Date:

T-Boat Inspector (TI)**Drydock Examination****Hull Inspection (HI)****Small Passenger Vessel (T)**

Task: TI-HI02 Inspect tailshaft(s), stern bearing(s) and propeller(s)

Condition: During drydock inspection, giving consideration to the number of separate propulsion shaft(s), the materials of fabrication and the type of bearing lubrication used

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

References:

1. Title 46, Code of Federal Regulations Part 176 SPV-T - Inspection & Certification
2. COMDTINST M16000.7B Marine Safety Manual Volume II Material Inspection Ch-2
3. Manufacturer's manual

Steps		References	Initials
HI02.1	Determine if tailshaft(s) needs to be drawn	46 CFR 176.670 MSM II/B.3.D.3	
HI02.2	Verify bearing clearance and inboard seal assembly	46 CFR 176.670 Manufacturer's manual	
HI02.3	Visually examine entire shaft (when applicable)	46 CFR 176.670	
HI02.4	Witness satisfactory non-destructive testing (NDT) of the shaft's taper section and keyway	46 CFR 176.670	
HI02.5	Witness satisfactory NDT of propeller coupling bolts and flange radius	46 CFR 176.670	
HI02.6	Verify condition and wear/tear of strut bearing(s)	46 CFR 176.670 MSM II/B.3.D.10	
HI02.7	Inspect condition of propeller	46 CFR 176.610(a)	

Verifying Officer Guidance: The trainee shall also demonstrate a working knowledge of equipment's nomenclature and examination procedures.

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

EMPLID:

Verifying Officer's Signature:

Date:

T-Boat Inspector (TI)**Drydock Examination****Hull Inspection (HI)****Small Passenger Vessel (T)****Task:** TI-HI03 Inspect the rudder installation**Condition:** *During drydock inspection***Standard:** *In compliance with applicable policies, laws, regulations and standards*

- References:**
1. Title 46, Code of Federal Regulations Part 176 SPV-T - Inspection & Certification
 2. COMDTINST M16000.7B Marine Safety Manual Volume II Material Inspection Ch-2
 3. Manufacturer's manual

Steps		References	Initials
HI03.1	Verify type of assembly installed	46 CFR 176.814 MSM II/B.3.E.2	
HI03.2	Examine rudder assembly for deterioration and defects	46 CFR 176.610(a)	
HI03.3	Verify rudder bearing clearance(s) are within limits	Manufacturer's manual	
HI03.4	Verify condition of pintle(s), gudgeon(s), bushing(s), pintle nut(s) and locking device(s)	MSM II/B.3.E.2	
HI03.5	Verify condition of pintle by nondestructive test (NDT)	MSM II/B.3.E.2	

Verifying Officer Guidance: *The trainee shall also demonstrate a working knowledge of rudder nomenclature and examination procedures.*

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

EMPLID:

Verifying Officer's Signature:

Date:

T-Boat Inspector (TI)**Drydock Examination****Hull Inspection (HI)****Small Passenger Vessel (T)****Task:** TI-HI04 Inspect hull appendages**Condition:** *During drydock inspection***Standard:** *In compliance with applicable policies, laws, regulations and standards***References:** 1. Title 46, Code of Federal Regulations Part 176 SPV-T - Inspection & Certification
2. Title 46, Code of Federal Regulations Part 182 SPV-T - Machinery Installation

Steps		References	Initials
HI04.1	Examine condition and structural integrity of bilge keel	46 CFR 176.610(a)	
HI04.2	Examine condition of keel coolers	46 CFR 176.610(a) 46 CFR 182.422	
HI04.3	Examine condition of transducers and other similar appendages	46 CFR 176.610(a)	

Verifying Officer Guidance: *The trainee shall also demonstrate a working knowledge of equipment/vessel nomenclature including scantlings/structural members, hull penetrations (valves) and major system components external to hull (appendages).*

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

EMPLID:

Verifying Officer's Signature:

Date:

T-Boat Inspector (TI)

Certificate of Inspection

Hull Inspection (HI)

Small Passenger Vessel (T)

Task: TI-HI05 Inspect anchor chain(s)

Condition: *During drydock inspection*

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

References: 1. Title 46, Code of Federal Regulations Part 184 SPV-T - Vessel Control & Miscellaneous Systems & Equipment

Steps		References	Initials
HI05.1	Examine length of chain for satisfactory condition	46 CFR 184.300	
HI05.2	Examine chain locker for satisfactory condition	46 CFR 184.300	

Verifying Officer Guidance: *The trainee shall also demonstrate a working knowledge of equipment nomenclature and examination procedures.*



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

T-Boat Inspector (TI)

Drydock Examination

Hull Inspection (HI)

Small Passenger Vessel (T)

Task: TI-HI06 Inspect sea valve(s)

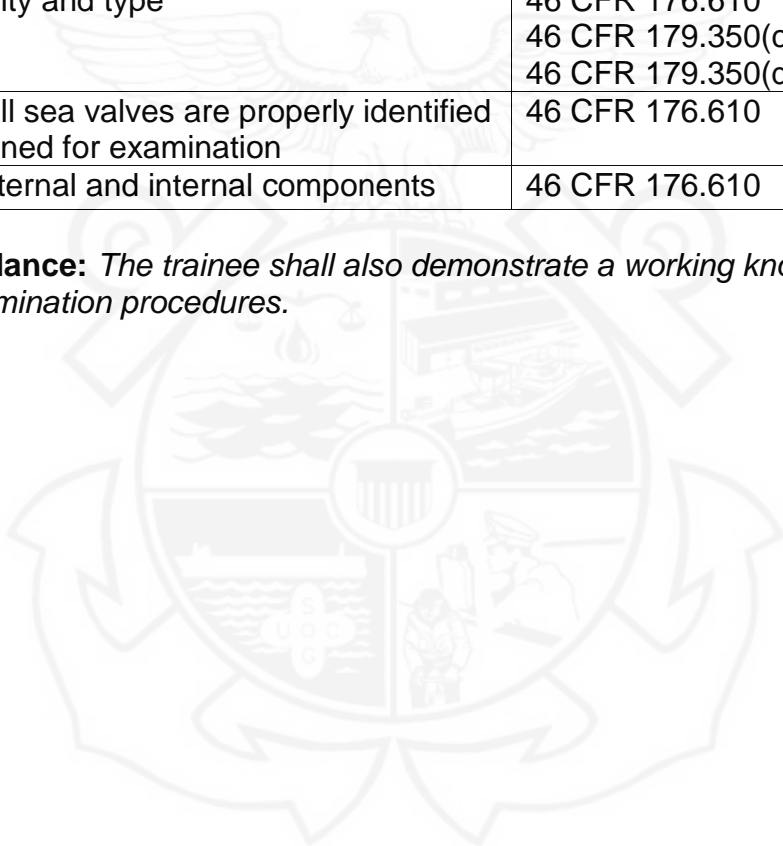
Condition: During drydock inspection

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

- References:**
1. Title 46, Code of Federal Regulations Part 176 SPV-T - Inspection & Certification
 2. Title 46, Code of Federal Regulations Part 179 SPV-T - Subdivision, Damage Stability & Watertight Integrity

Steps		References	Initials
HI06.1	Verify quantity and type	46 CFR 176.610 46 CFR 179.350(c) 46 CFR 179.350(d)	
HI06.2	Verify that all sea valves are properly identified and are opened for examination	46 CFR 176.610	
HI06.3	Examine external and internal components	46 CFR 176.610	

Verifying Officer Guidance: *The trainee shall also demonstrate a working knowledge of equipment nomenclature and examination procedures.*



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

T-Boat Inspector (TI)

Certificate of Inspection

Hull Inspection (HI)

Small Passenger Vessel (T)

Task: TI-HI07 Verify if vessel qualifies to participate in the USCG’s underwater survey program (UWILD)

Condition: Given a request to participate in underwater inspection in lieu of drydocking (UWILD) program

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

- References:**
1. Title 46, Code of Federal Regulations Part 176 SPV-T - Inspection & Certification
 2. NVIC 01-89 Underwater Survey Guidance
 3. COMDTINST M16000.7B Marine Safety Manual Volume II Material Inspection Ch-2

Steps		References	Initials
HI07.1	Review application	46 CFR 176.630 NVIC 01-89 MSM II/B.3-22	
HI07.2	Inspect condition of hull and protection system	NVIC 01-89 Encl.1/1.a 46 CFR 176.615(a)(3)	
HI07.3	Verify reference points	NVIC 01-89 Encl.1/1.b	
HI07.4	Verify hinged gratings are installed on sea chest(s)	NVIC 01-89 Encl.1/1.c	
HI07.5	Verify means for taking shaft-bearing and rudder-bearing clearances	MSM II/B.3-29	
HI07.6	Review hull gauging report	NVIC 01-89 Encl.1/1.a	
HI07.7	Review reference video	NVIC 01-89 Encl.1/1.d MSM II/B.3-23	
HI07.8	Forward application with OCMI's recommendation	MSM II/B.8.C.18.f	

Verifying Officer Guidance:

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

T-Boat Inspector (TI)**Certificate of Inspection****Hull Inspection (HI)****Small Passenger Vessel (T)**

Task: TI-HI08 Inspect hull during an underwater survey

Condition: *During underwater inspection in lieu of drydocking (UWILD) on vessels enrolled in the program*

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

- References:**
1. Title 46, Code of Federal Regulations Part 176 SPV-T - Inspection & Certification
 2. Title 46, Code of Federal Regulations Part 197 Marine Occupational Safety & Health Standards
 3. NVIC 01-89 Underwater Survey Guidance
 4. COMDTINST M16000.7B Marine Safety Manual Volume II Material Inspection Ch-2

Steps		References	Initials
HI08.1	Confirm vessel's approved application for underwater inspection in lieu of drydocking (UWILD) examination	46 CFR 176.615 NVIC 01-89 Encl.1/2.a	
HI08.2	Verify procedures to be followed in carrying out the underwater survey are adequate	46 CFR 176.615 46 CFR 197.202	
HI08.3	Verify suitability of location where the underwater survey will be accomplished	46 CFR 176.615 NVIC 01-89 Encl.1/5.c	
HI08.4	Review reference plans and video showing the external details of the hull	NVIC 01-89 Encl.1/2.a(12)	
HI08.5	Meet with the vessel's representative and diving supervisor to discuss the details of the survey	NVIC 01-89 Encl.1/4	
HI08.6	Verify that vessel's representative submitted a signed letter stating the overall condition of the vessel	NVIC 01-89 Encl.1/2.a(7)	
HI08.7	Verify qualification of divers, type of diving equipment and their nondestructive testing (NDT) and damage repair capabilities	46 CFR 197.202 NVIC 01-89 Encl.1/5.f	
HI08.8	Verify that all areas of the hull have been cleaned to allow for a meaningful examination	NVIC 01-89 Encl.1/5.g	
HI08.9	Witness underwater survey from a video monitor	46 CFR 197.202 NVIC 01-89 Encl.1/5.i	

Verifying Officer Guidance:

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

T-Boat Inspector (TI)

Drydock Examination

Hull Inspection (HI)

Small Passenger Vessel (T)

Task: TI-HI09 Inspect fiberglass external hull

Condition: *During drydock inspection*

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 176 SPV-T - Inspection & Certification
 3. NVIC 08-87 Notes on Design, Construction, Inspection and Repair of Fiber Reinforced Plastic (FRP) Vessels

Steps		References	Initials
HI09.1	Inspect condition	46 CFR 176.610(a) NVIC 08-87 Chapter 5	
HI09.2	Examine stress areas	46 CFR 176.610(a) NVIC 08-87 Chapter 5	
HI09.3	Examine area in way of through hull fittings	46 CFR 176.610(a) 46 CFR 176.610(b) NVIC 08-87 Chapter 5.E	
HI09.4	Examine for damage/unfairness/delamination	46 CFR 176.610(a) 46 CFR 176.610(b) NVIC 08-87 Chapter 5.C	
HI09.5	Verify no unauthorized repairs	46 CFR 2.01-15(a)(2) 46 CFR 176.700 NVIC 08-87 Chapter 6	

Verifying Officer Guidance:



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

T-Boat Inspector (TI)

Drydock Examination

Hull Inspection (HI)

Small Passenger Vessel (T)

Task: TI-HI10 Inspect fiberglass internal hull

Condition: *During drydock inspection*

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 176 SPV-T - Inspection & Certification
 3. NVIC 08-87 Notes on Design, Construction, Inspection and Repair of Fiber Reinforced Plastic (FRP) Vessels

Steps		References	Initials
HI10.1	Inspect condition	46 CFR 176.610(a) NVIC 08-87 Chapter 5	
HI10.2	Examine stress areas	46 CFR 176.610(a) NVIC 08-87 Chapter 5	
HI10.3	Examine area in way of through hull fittings	46 CFR 176.610(a)&(b) NVIC 08-87 Chapter 5.E	
HI10.4	Examine for damage/unfairness/delamination	46 CFR 176.610(a)&(b) NVIC 08-87 Chapter 5.C	
HI10.5	Verify no unauthorized repairs	46 CFR 2.01-15(a)(2) 46 CFR 176.700 NVIC 08-87 Chapter 6	

Verifying Officer Guidance:



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

T-Boat Inspector (TI)

Drydock Examination

Hull Inspection (HI)

Small Passenger Vessel (T)

Task: TI-HI11 Inspect fiberglass repair(s)

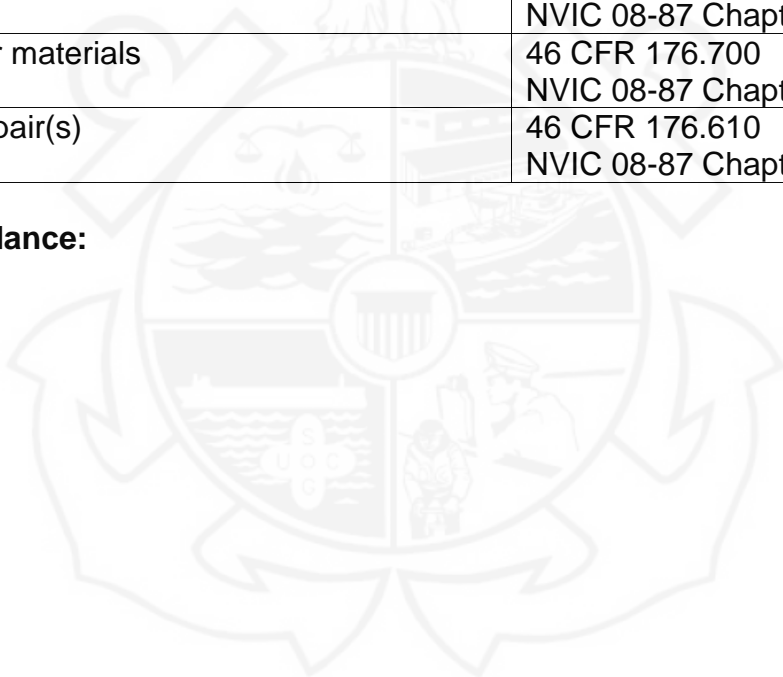
Condition: *During drydock inspection*

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 176 SPV-T - Inspection & Certification
 3. NVIC 08-87 Notes on Design, Construction, Inspection and Repair of Fiber Reinforced Plastic (FRP) Vessels

Steps		References	Initials
HI11.1	Evaluate extent of damage, defect(s) and/or delamination	46 CFR 176.610 NVIC 08-87 Chapter 6	
HI11.2	Review repair proposal	46 CFR 2.01-15(a)(2) 46 CFR 176.700 NVIC 08-87 Chapter 6	
HI11.3	Verify repair materials	46 CFR 176.700 NVIC 08-87 Chapter 4	
HI11.4	Examine repair(s)	46 CFR 176.610 NVIC 08-87 Chapter 6	

Verifying Officer Guidance:



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

T-Boat Inspector (TI)

Certificate of Inspection

Internal Structural Examination (IS)

Small Passenger Vessel (T)

Task: TI-IS01 Verify confined spaces are safe for entry

Condition: Prior to entry of any confined spaces during drydock 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 M5100.47A Safety and Environmental Health Manual
 3. NFPA 306 Standard for the Control of Gas Hazards on Vessels, 2009

Steps		References	Initials
IS01.1	Review Marine Chemist certificate	29 CFR 1915.12(f) CIM 5100.47A/6.G.9.c NFPA 306/4.3	
IS01.2	Verify competent person has maintained Marine Chemist Certificate	29 CFR 1915.15 CIM 5100.47A/6.G.9.c(3) 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	

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

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

T-Boat Inspector (TI)

Certificate of Inspection

Internal Structural Examination (IS)

Small Passenger Vessel (T)

Task: TI-IS02 Inspect internal structures

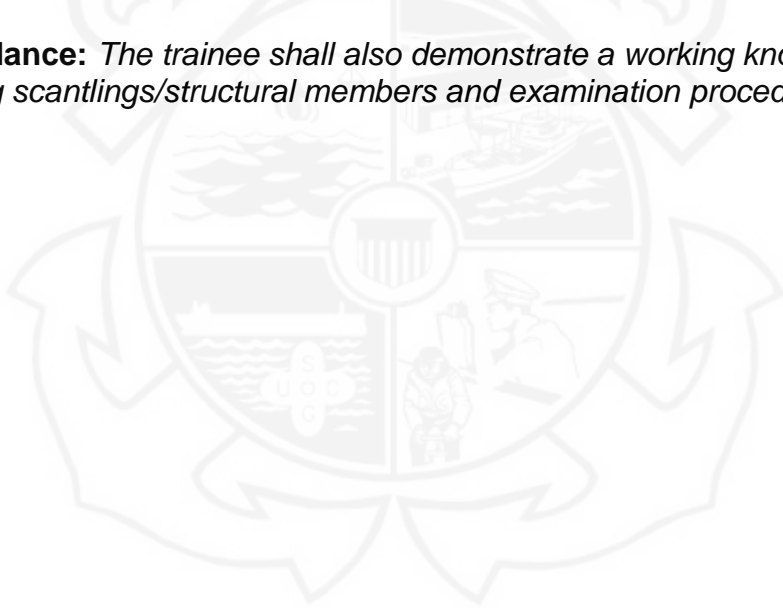
Condition: *During drydock inspection*

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

- References:**
1. Title 46, Code of Federal Regulations Part 176 SPV-T - Inspection & Certification
 2. NVIC 07-68 Notes on Inspection and Repair of Steel Hulls
 3. COMDTINST M16000.7B Marine Safety Manual Volume II Material Inspection Ch-2

Steps		References	Initials
IS02.1	Examine internal structures	46 CFR 176.610(b) 46 CFR 176.802	
IS02.2	Examine coamings, closures and other fittings	46 CFR 176.802 MSM II/B.3.B	
IS02.3	Verify wastage discovered is within acceptable limits	NVIC 07-68 Section III(C)	

Verifying Officer Guidance: *The trainee shall also demonstrate a working knowledge of vessel nomenclature including scantlings/structural members and examination procedures.*



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

T-Boat Inspector (TI)**Certificate of Inspection****Nondestructive Testing Inspection (NT)****Small Passenger Vessel (T)**

Task: TI-NT01 Verify nondestructive testing (NDT) using the liquid (dye) penetrant method

Condition: During inspection or after completion of a weld repair (if necessary)

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

- References:**
1. Title 46, Code of Federal Regulations Part 176 SPV-T - Inspection & Certification
 2. NVIC 07-68 Notes on Inspection and Repair of Steel Hulls
 3. ABS Rules for Building and Classing Steel Vessels, 1995 Part 2 Materials and Welding
 4. ABS Nondestructive Inspection of Hull Welds (NDT Guide), 2014

Steps		References	Initials
NT01.1	Verify individual's knowledge of, and ability to use, penetrant in accordance with the penetrant's instructions.	46 CFR 176.700(d) NVIC 07-68 9(V)(A) ABS 2-4-1/5.17 & NDT Guide 4/1	
NT01.2	Witness application	ABS NDT Guide 4/5.1	
NT01.3	Witness removal of excess penetrant after dwell time	ABS NDT Guide 4/5.1	
NT01.4	Witness application of developer	ABS NDT Guide 4/5.1	
NT01.5	Evaluate the test results or technician's report	ABS NDT Guide 4/5.1	

Verifying Officer Guidance: *The trainee shall also demonstrate a working knowledge of dye penetrant testing method and procedures. ABS Rules for Building and Classing Aluminum vessels; 30.5.8 highlights a brief description on the dye penetrant inspection process. Use ABS NDT guide for detailed steps.*

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

EMPLID:

Verifying Officer's Signature:

Date:

T-Boat Inspector (TI)**Certificate of Inspection****Nondestructive Testing Inspection (NT)****Small Passenger Vessel (T)**

Task: TI-NT02 Verify suspected surface for satisfactory condition by nondestructive testing (NDT) using the magnetic particle method

Condition: During inspection or after completion of a weld repair (if necessary)

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

- References:**
1. Title 46, Code of Federal Regulations Part 176 SPV-T - Inspection & Certification
 2. NVIC 07-68 Notes on Inspection and Repair of Steel Hulls
 3. ABS Rules for Building and Classing Steel Vessels, 1995 Part 2 Materials and Welding
 4. ABS Nondestructive Inspection of Hull Welds (NDT Guide), 2014

Steps		References	Initials
NT02.1	Verify individual's knowledge of, ability to calibrate and use equipment in accordance with equipment's instructions	46 CFR 176.700(d) NVIC 07-68 9(V)(A) ABS 2-4-1/5.17	
NT02.2	Verify magnetic field strength	ABS NDT Guide 5/5.7.2	
NT02.3	Witness application of visible magnetic particles	ABS NDT Guide 5/5.3	
NT02.4	Witness technician examine/interpret readings	ABS NDT Guide 5/5	
NT02.5	Evaluate test results or review technician's report	ABS NDT Guide 5/5	

Verifying Officer Guidance: *The trainee shall also demonstrate a working knowledge of magnetic particle testing method and procedures.*

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

EMPLID:

Verifying Officer's Signature:

Date:

T-Boat Inspector (TI)**Certificate of Inspection****Nondestructive Testing Inspection (NT)****Small Passenger Vessel (T)**

Task: TI-NT03 Verify suspected surface for satisfactory condition by nondestructive testing (NDT) using the radiography (gamma rays or x-rays) method

Condition: During inspection or after completion of a weld repair (if necessary)

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

References:

1. Title 46, Code of Federal Regulations Part 176 SPV-T - Inspection & Certification
2. NVIC 07-68 Notes on Inspection and Repair of Steel Hulls
3. ABS Rules for Building and Classing Steel Vessels, 1995 Part 2 Materials and Welding
4. ABS Nondestructive Inspection of Hull Welds (NDT Guide), 2014

Steps		References	Initials
NT03.1	Verify individual's knowledge of and ability to use radiography equipment	46 CFR 176.700(d) NVIC 07-68 9(V)(A) ABS 2-4-1/5.17	
NT03.2	Verify technique	ABS NDT Guide 2/5	
NT03.3	Witness technician examine/interpret readings	ABS NDT Guide 2/5.15	
NT03.4	Review technician's report	ABS NDT Guide 2/9	

Verifying Officer Guidance: Trainee should know that ABS Rules for Building and Classing Aluminum Vessels; 30.5.8 highlights a brief description on the radiographic inspection process. Use ABS NDT Guide for detailed steps.

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

EMPLID:

Verifying Officer's Signature:

Date:

T-Boat Inspector (TI)**Certificate of Inspection****Nondestructive Testing Inspection (NT)****Small Passenger Vessel (T)**

Task: TI-NT04 Verify suspected surface(s) for satisfactory condition by nondestructive testing (NDT) using the ultrasonic method

Condition: During inspection or after completion of a weld repair (if necessary)

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

References:

1. Title 46, Code of Federal Regulations Part 176 SPV-T - Inspection & Certification
2. NVIC 07-68 Notes on Inspection and Repair of Steel Hulls
3. ABS Rules for Building and Classing Steel Vessels, 1995 Part 2 Materials and Welding
4. ABS Nondestructive Inspection of Hull Welds (NDT Guide), 2014

Steps		References	Initials
NT04.1	Verify technician's qualification and certification	46 CFR 176.700(d) NVIC 07-68 9(V)(A) ABS 2-4-1/5.17	
NT04.2	Witness technician calibrate equipment	ABS NDT Guide 3/3.5	
NT04.3	Witness technician examine/interpret readings	ABS NDT Guide 3/11	
NT04.4	Evaluate test results or review technician's report	ABS NDT Guide 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. ABS Rules for Building and Classing Aluminum Vessels; 30.5.8 highlights a brief description on the Ultrasonic inspection process. Use ABS NDT Guide for detailed steps.

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

EMPLID:

Verifying Officer's Signature:

Date:

T-Boat Inspector (TI)

Certificate of Inspection

Nondestructive Testing Inspection (NT)

Small Passenger Vessel (T)

Task: TI-NT05 Verify nondestructive testing (NDT) using the hydro-static method

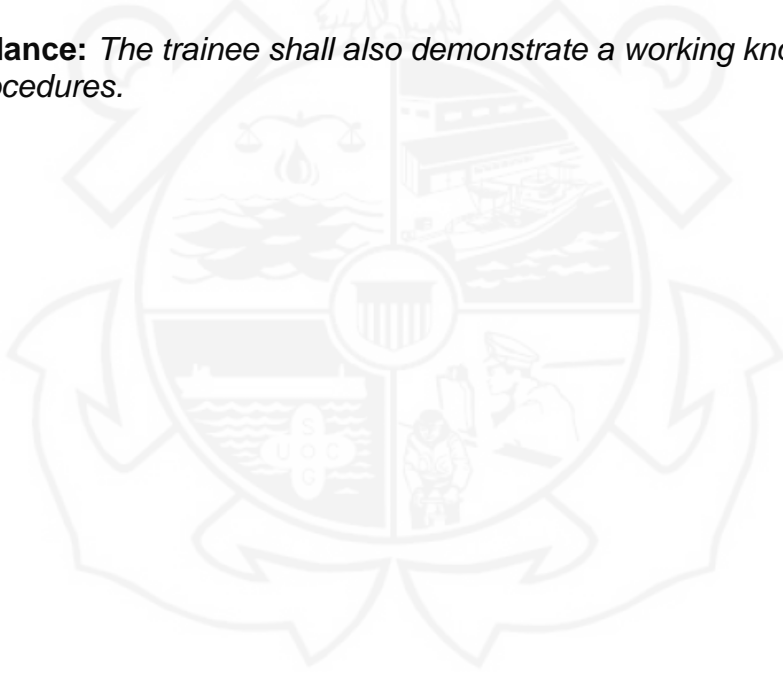
Condition: After completion of construction, repair or during routine inspection (if necessary)

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

- References:**
1. Title 46, Code of Federal Regulations Part 176 SPV-T - Inspection & Certification
 2. ABS Rules for Building and Classing Steel Vessels, 1995 Part 3 Hull Construction and Equipment

Steps		References	Initials
NT05.1	Verify test pressure	46 CFR 176.700(b) ABS 3-7-1/5.5	
NT05.2	Verify test pressure is attained and maintained	ABS 3-7-1/5.5	
NT05.3	Examine joints, connections and high stress areas	ABS 3-7-1/5.5	

Verifying Officer Guidance: *The trainee shall also demonstrate a working knowledge of hydro-static testing method and procedures.*



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

T-Boat Inspector (TI)

Certificate of Inspection

Nondestructive Testing Inspection (NT)

Small Passenger Vessel (T)

Task: TI-NT06 Verify nondestructive testing (NDT) using the pneumatic (air test) method

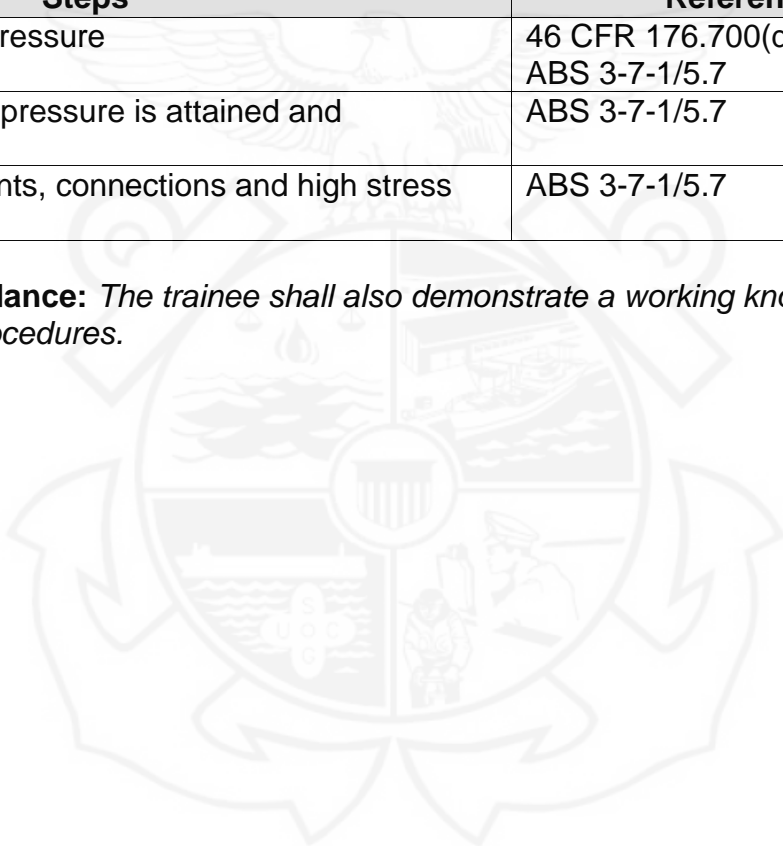
Condition: After completion of construction, repair or during routine inspection

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

- References:**
1. Title 46, Code of Federal Regulations Part 176 SPV-T - Inspection & Certification
 2. ABS Rules for Building and Classing Steel Vessels, 1995 Part 3 Hull Construction and Equipment

Steps		References	Initials
NT06.1	Verify test pressure	46 CFR 176.700(d) ABS 3-7-1/5.7	
NT06.2	Ensure test pressure is attained and maintained	ABS 3-7-1/5.7	
NT06.3	Examine joints, connections and high stress areas	ABS 3-7-1/5.7	

Verifying Officer Guidance: *The trainee shall also demonstrate a working knowledge of pneumatic testing method and procedures.*



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

T-Boat Inspector (TI)**Certificate of Inspection****Welding Repair Inspection (WR)****Small Passenger Vessel (T)**

Task: TI-WR01 Evaluate steel and aluminum 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 Part 176 SPV-T - Inspection & Certification
 3. Title 46, Code of Federal Regulations Part 177 SPV-T - Construction & Arrangement
 4. COMDTINST M16000.7B Marine Safety Manual Volume II Material Inspection Ch-2
 5. NVIC 07-68 Notes on Inspection and Repair of Steel Hulls
 6. ABS Rules for Building and Classing Steel Vessels, 1995 Part 7 Survey After Construction

Steps		References	Initials
WR01.1	Evaluate extent of damage and/or wastage/corrosion	46 CFR 176.700(d) & 177.300 NVIC 07-68 IV ABS Rules 2-4-1/5.19	
WR01.2	Review repair proposal	46 CFR 2.01-15(a)(2) 46 CFR 176.700(d) NVIC 07-68 IV	
WR01.3	Verify repair materials	46 CFR 176.700(d) NVIC 07-68 V	
WR01.4	Verify welding procedures	46 CFR 176.700(d)	
WR01.5	Evaluate alternative repair methods for equivalency	46 CFR 177.340 MSM II/A.5.A	
WR01.6	Verify welder's proficiency	46 CFR 176.700(d)	

Verifying Officer Guidance: *The trainee shall also demonstrate a working knowledge of acceptable structural repair, processes and procedures.*

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

EMPLID:

Verifying Officer's Signature:

Date:

T-Boat Inspector (TI)

Certificate of Inspection

Welding Repair Inspection (WR)

Small Passenger Vessel (T)

Task: TI-WR02 Inspect aluminum fit-up

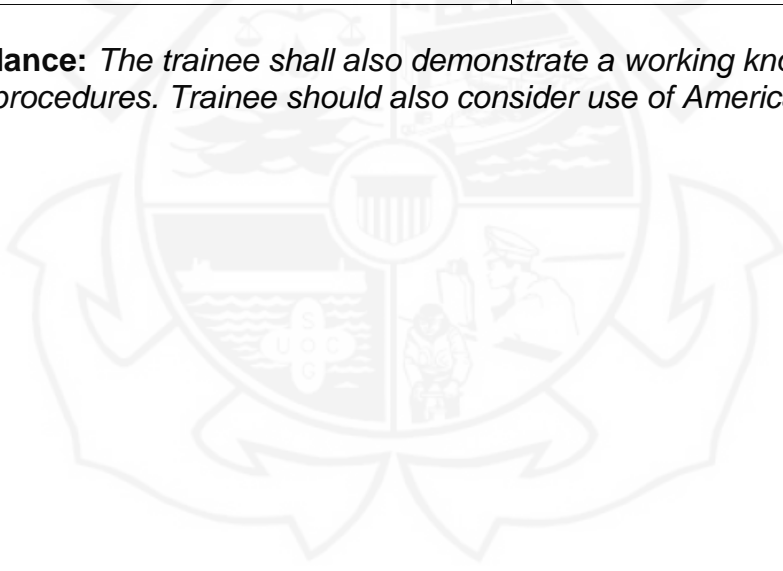
Condition: During initial examination of repair work

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

- References:**
1. Title 46, Code of Federal Regulations Part 177 SPV-T - Construction & Arrangement
 2. NVIC 07-68 Notes on Inspection and Repair of Steel Hulls
 3. NVIC 11-80 Structural Plan Review Guidelines for Aluminum Small Passenger Vessels
 4. ABS Rules for Building and Classing Aluminum Vessels, 1975

Steps		References	Initials
WR02.1	Examine material and fitted with approved joint detail	46 CFR 177.300(b) NVIC 07-68 V & NVIC 11-80 ABS 30.1	
WR02.2	Verify materials (base, filler, gas)	ABS 30.1	
WR02.3	Verify welding processes	ABS 30.1.3	

Verifying Officer Guidance: *The trainee shall also demonstrate a working knowledge of structural repair, processes and procedures. Trainee should also consider use of American Welding Society D3.5-93 during fit up.*



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

T-Boat Inspector (TI)**Drydock Examination****Welding Repair Inspection (WR)****Small Passenger Vessel (T)****Task:** TI-WR03 Inspect steel 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 176 SPV-T - Inspection & Certification
 2. Title 46, Code of Federal Regulations Part 177 SPV-T - Construction & Arrangement
 3. NVIC 07-68 Notes on Inspection and Repair of Steel Hulls
 4. ABS Rules for Building and Classing Steel Vessels, 1995 Part 2 Materials and Welding

Steps		References	Initials
WR03.1	Examine material and fitted with approved joint detail	46 CFR 177.300(b) NVIC 07-68 V ABS 2-4-1/3	
WR03.2	Verify materials (base, filler, gas)	46 CFR 176.700(b) ABS 2-1-1/1.1	
WR03.3	Verify welding processes	46 CFR 176.700(b)	

Verifying Officer Guidance: *Trainee should consider American Welding Society D3.5-93 during hull fit up processes.*

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

EMPLID:

Verifying Officer's Signature:

Date:

T-Boat Inspector (TI)**Certificate of Inspection****Welding Repair Inspection (WR)****Small Passenger Vessel (T)****Task:** TI-WR04 Inspect welds for defects**Condition:** During final visual examination of steel and aluminum repair work**Standard:** In compliance with applicable policies, laws, regulations and standards

- References:**
1. Title 46, Code of Federal Regulations Part 177 SPV-T - Construction & Arrangement
 2. NVIC 07-68 Notes on Inspection and Repair of Steel Hulls
 3. ABS Rules for Building and Classing Steel Vessels, 1995 Part 2 Materials and Welding
 4. ABS Rules for Building and Classing Aluminum Vessels (1975)

Steps		References	Initials
WR04.1	Examine welds for uniformity and reinforcement	46 CFR 177.300(b) ABS 2-4-1/5.15.1 ABS 30.5.8 (Aluminum)	
WR04.2	Examine welds for porosity, overlap and slag inclusion	NVIC 07-68 V(H) ABS 2-4-1/5.15.1 ABS 30.5.8 (Aluminum)	
WR04.3	Examine adjacent base metal for injurious arc strikes, spatter and sharp or deep undercut	NVIC 07-68 V(H) ABS 2-4-1/5.15.1 ABS 30.5.10 (Aluminum)	

Verifying Officer Guidance: *The trainee shall also demonstrate a working knowledge of structural repair, processes and procedures.*

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

EMPLID:

Verifying Officer's Signature:

Date:

T-Boat Inspector (TI)**Certificate of Inspection****Welding Repair Inspection (WR)****Small Passenger Vessel (T)****Task:** TI-WR05 Inspect back gouge**Condition:** *During intermediate examination of full penetration weld on steel and aluminum repair work***Standard:** *In compliance with applicable policies, laws, regulations and standards*

- References:**
1. Title 46, Code of Federal Regulations Part 177 SPV-T - Construction & Arrangement
 2. NVIC 07-68 Notes on Inspection and Repair of Steel Hulls
 3. ABS Rules for Building and Classing Steel Vessels, 1995 Part 2 Materials and Welding
 4. ABS Rules for Building and Classing Aluminum Vessels, 1975

Steps		References	Initials
WR05.1	Examine welds for defects (discontinuity)	46 CFR 177.300(b) NVIC 07-68 V(G)(2) ABS 2-4-1/5.9	
WR05.2	Verify proper weld sequencing	NVIC 07-68 V(F) ABS 2-4-1/5.3 ABS 30.5.5 (Aluminum)	
WR05.3	Verify joints are cleaned between interpasses	NVIC 07-68 V(E) ABS 2-4-1/3.5 ABS 30.3.3 (Aluminum)	

Verifying Officer Guidance: *The trainee shall also demonstrate a working knowledge of structural repair, processes and procedures.*

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

EMPLID:

Verifying Officer's Signature:

Date:

T-Boat Inspector (TI)

Certificate of Inspection

Follow Up Actions (FU)

Small Passenger Vessel (T)

Task: TI-FU01 Issue deficiencies

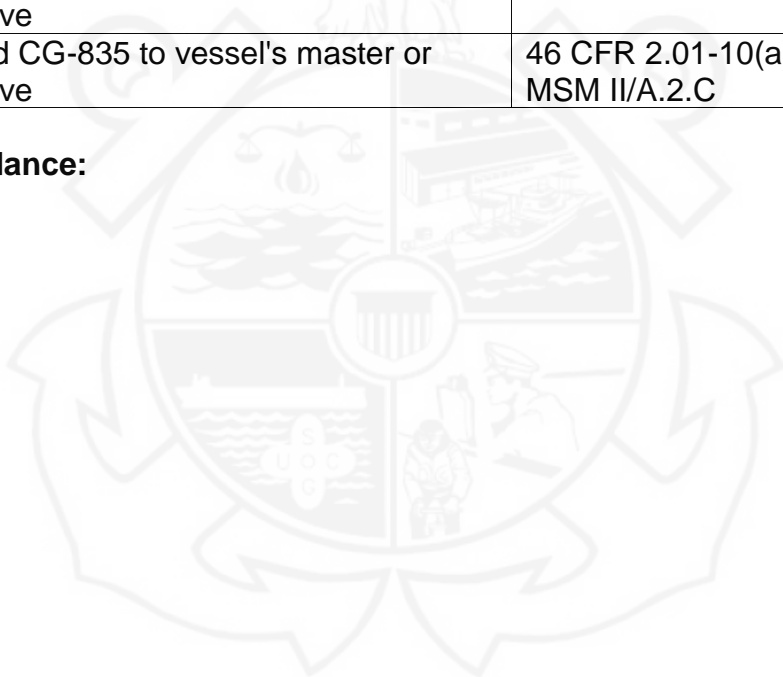
Condition: Upon completion of inspection, with deficiencies found

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

Steps		References	Initials
FU01.1	Determine deficiency's reference cite	46 USC 3313(b) MSM II/A.2.C.4.b	
FU01.2	Discuss deficiencies and corrective measures/timeframe with vessel's master or representative	MSM II/A.2.C.2	
FU01.3	Issue signed CG-835 to vessel's master or representative	46 CFR 2.01-10(a) MSM II/A.2.C	

Verifying Officer Guidance:



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

T-Boat Inspector (TI)

Certificate of Inspection

Follow Up Actions (FU)

Small Passenger Vessel (T)

Task: TI-FU02 Issue/endorse vessel's certificates

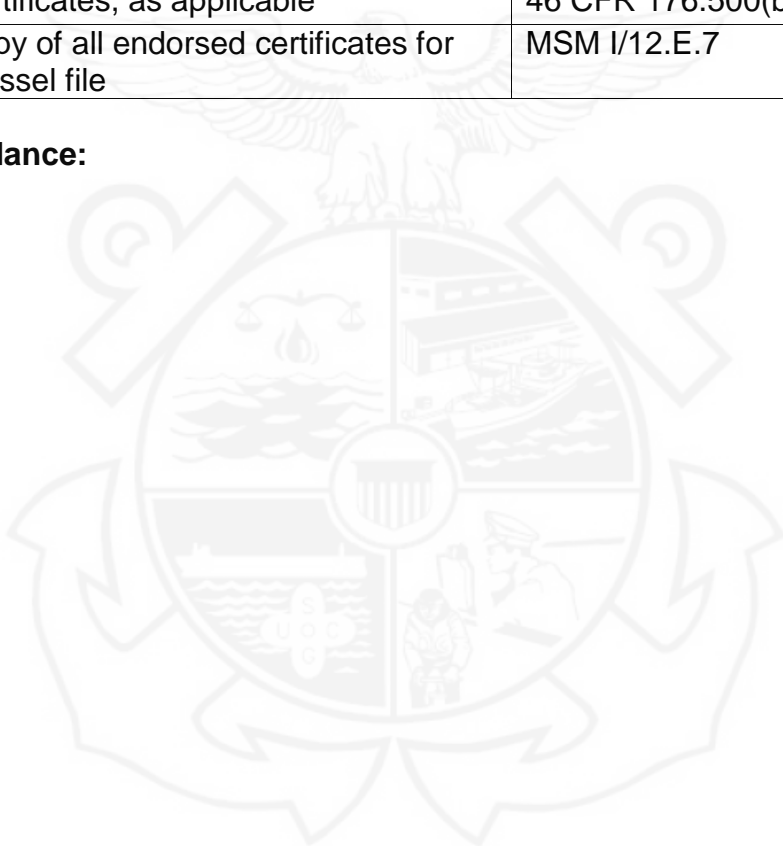
Condition: Upon completion of the inspection

Standard: In accordance with current policies, procedures and processes

- References:**
1. Title 46, Code of Federal Regulations Part 176 SPV-T - Inspection & Certification
 2. COMDTINST M16000.6 Marine Safety Manual Volume I Administration & Management

Steps		References	Initials
FU02.1	Endorse certificates, as applicable	46 CFR 176.500(b)(1)(ii)	
FU02.2	Obtain a copy of all endorsed certificates for the unit's vessel file	MSM I/12.E.7	

Verifying Officer Guidance:



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

T-Boat Inspector (TI)

Certificate of Inspection

Follow Up Actions (FU)

Small Passenger Vessel (T)

Task: TI-FU03 Complete MISLE Activity

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

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. Mission Management System (MMS) Work Instruction - Documenting Deficiencies in MISLE for U.S. Vessels

Steps		References	Initials
FU03.1	Open existing activity in MISLE	MSM I/12.G.2.a	
FU03.2	Update inspection results	MSM I/12.H.1 MSM II/A.2.C.2.d MMS Work Instruction	
FU03.3	Update activity narrative	MSM I/12.H.1	
FU03.4	Update vessel details	MSM I/12.H.1	
FU03.5	Amend Certificate of Inspection	MSM I/12.H.1	
FU03.6	Print new or amended Certificate of Inspection and Deficiency Letter	MSM II/A.2.C.6.b	
FU03.7	Change activity status to "Open - Submitted for Review"	MSM I/12.H.1	

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

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

T-Boat Inspector (TI)

Certificate of Inspection

Follow Up Actions (FU)

Small Passenger Vessel (T)

Task: TI-FU04 Verify deficiency corrections

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. Mission Management System (MMS) Work Instruction - Documenting Deficiencies in MISLE for U.S. Vessels

Steps		References	Initials
FU04.1	Determine an appropriate verification method for the identified deficiency(s)	MSM II/A.2.C.4	
FU04.2	Verify correction(s) meet appropriate regulations	MSM II/A.2.C.4.a	
FU04.3	Clear deficiency(s) in MISLE activity	MSM II/A.2.C.2.d MMS Work Instruction	

Verifying Officer Guidance:



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

T-Boat Inspector (TI)

Certificate of Inspection

Follow Up Actions (FU)

Small Passenger Vessel (T)

Task: TI-FU05 Ensure completion of drydock examination

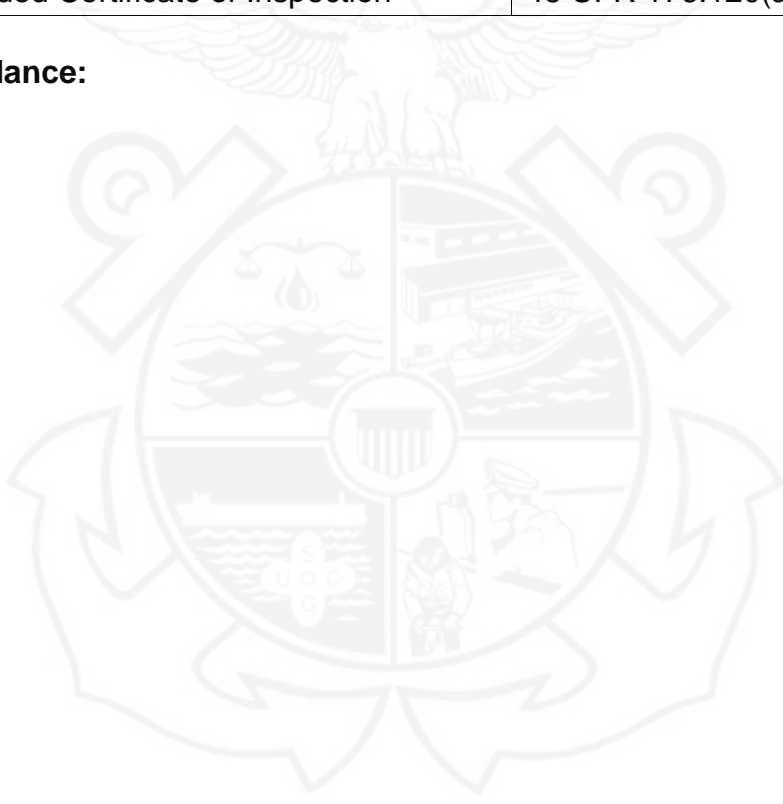
Condition: *During drydock examination*

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

- References:**
1. Title 46, Code of Federal Regulations Part 176 SPV-T - Inspection & Certification
 2. COMDTINST M16000.7B Marine Safety Manual Volume II Material Inspection Ch-2

Steps		References	Initials
FU05.1	Verify completions of all repairs	MSM II/A.2.C	
FU05.2	Issue amended Certificate of Inspection	46 CFR 176.120(a)	

Verifying Officer Guidance:



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

List of Additional References:

American Bureau of Shipping (ABS), ABS Plaza, 16855 North chase Drive Houston TX 77060

Rules for Building and Classing Steel Vessels Under 61 Meters (200 Ft) in Length (1983)

Rules for Building and Classing Steel Vessels (1995)

Rules for Building and Classing Aluminum Vessels (1975)

Rules for Building and Classing Mobile Offshore Drilling Units (1994)

Rules for Building and Classing Mobile Offshore Drilling Units (1994)

American National Standards Institute (ANSI), 11 West 42nd St., New York, NY 10036

B 31.1-1986, Code for Pressure Piping, Power Piping

Z 26.1-1977 (including 1980 Supplement), Safety Code for Safety Glazing Materials for Glazing Motor Vehicles Operating on Land Highways

American Society of Mechanical Engineers (ASME) International, Three Park Avenue, New York, NY 10016-5990

Boiler and Pressure Vessel Code Section I, Power Boilers, July 1989 with 1989 addenda

American Society for Testing and Materials (ASTM), 100 Barr Harbor Drive, West Conshohocken, PA 19428-2959

ASTM D 93-97, Standard Test Methods for Flash Point by Pensky-Martens Closed Cup Tester

American Yacht and Boat Council, Inc. (AYBC), 3069 Solomon's Island Rd., Edgewater, MD 21037-1416

A-3-1993, Galley Stoves

A-7-1970, Recommended Practices and Standards Covering Boat Heating Systems

E-1-1972, Bonding of Direct-Current Systems

E-8-1994, Alternating-Current (AC) Electrical Systems on Boats

E-9-1990, Direct-Current (DC) Electrical Systems on Boats

Institute of Electrical and Electronics Engineers (IEEE), IEEE Service Center, 445 Hoes Lane, Piscataway, NJ 08855

No. 45-1977, Recommended Practice for Electric Installations on Shipboard

International Maritime Organization (IMO), Publications Section, 4 Albert Embankment, London SE1 7SR, United Kingdom

Resolution A.520(13), Code of Practice for the Evaluation, Testing and Acceptance of Prototype Novel Life-saving Appliances and Arrangements, dated 17 November 1983

Resolution A.658(16), "Use and Fitting of Retro-Reflective Materials on Life-saving Appliances", dated 20 November 1989

Resolution A.760(18), "Symbols Related to Life-Saving Appliances and Arrangements", dated 17 November 1993

International Convention for the Safety of Life at Sea (SOLAS), Consolidated Edition, 1992

National Fire Protection Association (NFPA).1 Battery march Park, Quincy, MA 02269-9101

NFPA 70, National Electrical Code, 1993 Edition

NFPA 306, Control of Gas Hazards on Vessels, 1993 Edition

NFPA 1963, Fire Hose Connections, 1993 Edition

NFPA 10, Standard for Portable Fire Extinguishers, 1994 Edition

NFPA 302—Fire Protection Standard for Pleasure and Commercial Motor Craft, 1994 Edition

Underwriters Laboratories, Inc. (UL), 12 Laboratory Drive, Research Triangle Park, NC 27709-3995

UL 19-1992, Lined Fire Hose and Hose Assemblies

UL 486A-1992, Wire Connectors and Soldering Lugs for Use with Copper Conductors

UL 489-1995, Molded-Case Circuit Breakers and Circuit-Breaker Enclosures

UL 57-1976, Electric Lighting Fixtures

UL 595-1991, Marine-Type Electric Lighting Fixtures

UL 1570-1995, Fluorescent Lighting Fixtures

UL 1571-1995, Incandescent Lighting Fixtures

UL 1572-1995, High Intensity Discharge Lighting Fixtures

UL 1573-1995, Stage and Studio Lighting Units

UL 1574-1995, Track Lighting Systems

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

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

