

# **Small Passenger Vessel Inspector Performance and Qualification Standard**

## **Wood Addendum (TIW)**

This Performance and Qualification Standard (PQS) workbook is an addendum to the Small Passenger Vessel "T" Inspector (TI) PQS. 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 of the TI PQS workbook.

This PQS workbook contains the necessary tasks and steps to conduct an Inspection for Certification and drydock examination on a wooden small passenger vessel. Those members who will be conducting inspections on wooden T-boats are required to complete all tasks and steps in this PQS workbook.

The TIW PQS addendum may be completed concurrently with the TI PQS or subsequent to receiving a TI qualification. In either case a Certification Board must be satisfactorily completed prior to receiving the "Wood" notation on the TI Letter of Certification/ Designation.

*[This page intentionally left blank]*

**T-Boat Inspector (TI)**

**Certificate of Inspection**

**Lifesaving Equipment Inspection (LS)**

**Wood Hull (T)**

**Task:** TIW-LS01 Verify survival craft

**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

Steps		References	Initials
LS01.1	Verify quantity	46 CFR 180.200(c)	

**Verifying Officer Guidance:**



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

**T-Boat Inspector (TI)**

**Certificate of Inspection**

**Machinery Equipment Inspection (MI)**

**Wood Hull (T)**

**Task:** TIW-MI01 Inspect bilge and high water alarms

**Condition:** *During 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
MI01.1	Verify location	46 CFR 182.530(b)	

**Verifying Officer Guidance:**



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

**T-Boat Inspector (TI)**

**Hull Examination**

**Hull Inspection (HI)**

**Wood Hull (T)**

**Task:** TIW-HI01 Verify subdivision and damage stability requirements

**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

Steps		References	Initials
HI01.1	Verify presence of collision bulkhead (when applicable)	46 CFR 179.210(b)(4)	
HI01.2	Verify subdivision (when applicable)	46 CFR 179.212(a)	

**Verifying Officer Guidance:**



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

**T-Boat Inspector (TI)****Hull Examination****Hull Inspection (HI)****Wood Hull (T)****Task:** TIW-HI02 Inspect wood hull**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 07-95 Guidance on Inspection, Repair and Maintenance of Wooden Hulls
3. COMDTINST M16000.7B Marine Safety Manual Volume II Material Inspection Ch-1

Steps		References	Initials
HI02.1	Inspect condition	46 CFR 176.610(a) NVIC 07-95 4.A-F MSM II/B.1.B.1	
HI02.2	Inspect stress areas (garboard plank, stem, chine, etc.)	46 CFR 176.610(a) NVIC 07-95 4.N	
HI02.3	Inspect bungs for running rust or blisters	46 CFR 176.610(a) NVIC 07-95 4.K.1	
HI02.4	Inspect caulking	NVIC 07-95 4.L	
HI02.5	Verify no unauthorized repairs	46 CFR 176.700	

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

**T-Boat Inspector (TI)****Hull Examination****Hull Inspection (HI)****Wood Hull (T)**

**Task:** TIW-HI03 Inspect wood hull fasteners (when applicable)

**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 07-95 Guidance on Inspection, Repair and Maintenance of Wooden Hulls

Steps		References	Initials
HI03.1	Determine location of fasteners to be pulled	NVIC 07-95 4.K.1	
HI03.2	Inspect condition of fastenings	46 CFR 176.610(a) NVIC 07-95 4.K.1 NVIC 07-95 4.K.2	
HI03.3	Document type, condition, material, and location of fastenings	NVIC 07-95 4.K.2	
HI03.4	Inspect through bolts (keel, chine, clamp, double frame, floor timber bolts, etc.) (when applicable)	NVIC 07-95 4.K.1 NVIC 07-95 4.K.2	
HI03.5	Verify no unauthorized fastenings	NVIC 07-95	

**Verifying Officer Guidance:**

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

**EMPLID:**

**Verifying Officer's Signature:**

**Date:**

**T-Boat Inspector (TI)****Hull Examination****Hull Inspection (HI)****Wood Hull (T)**

**Task:** TIW-HI04 Conduct internal inspection of wood hull

**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 07-95 Guidance on Inspection, Repair and Maintenance of Wooden Hulls
3. COMDTINST M16000.7B Marine Safety Manual Volume II Material Inspection Ch-1

Steps		References	Initials
HI04.1	Inspect condition	46 CFR 176.610(b) NVIC 07-95 4.A-F MSM II/B.1.B.1	
HI04.2	Inspect frames and frame heads	NVIC 07-95 4.F.1.A	
HI04.3	Inspect (sound) through bolts (keel, chine, clamp, double frame, floor timber bolts, etc.)	NVIC 07-95 4.K.1	
HI04.4	Verify no unauthorized repairs	46 CFR 176.700	

**Verifying Officer Guidance:**

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

**EMPLID:**

**Verifying Officer's Signature:**

**Date:**



**T-Boat Inspector (TI)****Certificate of Inspection****Welding Repair Inspection****Wood Hull (T)****Task:** TIW-HI05 Evaluate repair(s)**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. Lloyd's Register of Shipping, Rules & Regulations for the Classification of Yachts & Small Craft, 1983
  5. NVIC 07-95 Guidance on Inspection, Repair and Maintenance of Wooden Hulls

Steps		References	Initials
HI05.1	Evaluate extent of decay, defect(s) and damage	46 CFR 176.610 NVIC 07-95	
HI05.2	Review repair proposal	46 CFR 2.01-10(a)(2) 46 CFR 176.700 NVIC 07-95 Chapter 5	
HI05.3	Verify repair materials	46 CFR 176.700 & 177.300 NVIC 07-95 Chapter 3 Lloyd's Yachts & Small Craft	
HI05.4	Inspect repair(s)	46 CFR 176.610 NVIC 07-95 Chapter 5	

**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:**