



## SMALL PASSENGER VESSEL T-BOAT CHECKLIST



• In-Service • ♦ Reduced Annual Annual Expanded Annual COI

Vessel Name: \_\_\_\_\_ VIN: \_\_\_\_\_ MISLE Activity: \_\_\_\_\_ Date: \_\_\_\_\_

Location: \_\_\_\_\_ User Fee: Y N Inspector(s): \_\_\_\_\_

Vessel Rep: \_\_\_\_\_ Owner/ Operator Phone: \_\_\_\_\_ Email: \_\_\_\_\_

Build Date: \_\_\_\_\_ Max PAX: \_\_\_\_\_ O/N Accom: \_\_\_\_\_ Hull: FRP Wood Alum Steel // Sail Hi-Speed Amphib

### • Annual Focus Area

Automatic bilge pump indicator  
Vapor detection system (Gasoline)  
Propulsion engine gauges

- ♦ Distress signals.....180.68 / 11116  
Marked, W/T(O/C/LC – 6/6)(LBS/R – 3/3)

### Certificates & Documents

- ♦ Certificate of Inspection (COI).....176.302 / CG001
- ♦ Stability letter.....178.210 / 01326
- Merchant Mariner Credentials (MMCs)....15.515 / 01201
- Drug & alcohol program (Swabs).....185.212 / 18299
- ♦ Maintenance & service records.....176.810 / 07199
- ♦ Muster & emergency instructions.....185.510 / 04108
- ♦ Certificate of Documentation (COD) (>5 NT) or  
Commercial State Registration.....67.313 / CG003
- FCC Permit, Certs & Licenses...47-80.13&.1001 / 01104

### Logs & Manuals

- Vessel's Log.....185.728 / 01305
  - ♦ EPIRB Test (>3nm).....185.728 / 11199
  - ♦ Drills (New mbrs & every 3 months).....185.520 / CG004
  - ♦ Maintenance of survival craft.....185.702 / 11199
- Waste/Garbage Mgmt Plan.....184.702 / 14503  
(Route >3nm, Domestic)
- Crew/Pax list (O/C & ON/ports).....185.502 / 10127
- Voyage plan (O/C or ON).....185.503 / 10127
- Passenger count.....185.504 / 10127
- Safety orientation.....185.506 / 10127

### Bridge/Navigation Systems

- ♦ Internal comms & control systems.....184.602 / 04116
- Radar(s) (>49 pax, O/LC/GL).....184.404 / 10103
- Magnetic compass.....184.402 / 10105
- GPS(O).....184.410 / 10115
- Radio telephone (>20m, PDV).....184.502 / 05103
- Nav lights & dayshapes.....33-83.20 / 10109
- Sound signaling devices.....33-83.33 / 10109
- Nav pubs, charts.....184.420 / 10111
- Steering system controls.....182.610 / 13199
- ♦ Gauges at Helm: .....182.410(b) / 08199
  - RPM (not Old T), Temp, Oil Press
  - Bilge high level alarms (>26')

### General Health & Safety

Top decks marked max Pax.....185.602 / 01310

- Accommodations (Crew & Pax).....177.800 / 09198
  - Location & Number
  - 74" x 24" x 24"
  - Escape route access

- General alarm
- Independent smoke detection/alarm unit (ON)

Structural Fire Protection.....177.410 / 07101

Noncombustible trim/Fire-resistant furnishings

- Means of escape (Accom/E/R).....177.500 / 07120
  - 2 widely separated/ ≥32"
  - Emergency lighting
  - "EMERGENCY EXIT, KEEP CLEAR" - 2" Letters

Mess deck and galley spaces.....184.220 / 09124

Cooking fuel restrictions – no gas/open flame

Cooking equipment – Grab rails, locking

LPG/LNG-Remote shutoff valve

Structural fire protection (B-15)

Grease extraction hood (UL710)

First aid kit.....184.710 / 09112

Portable lights.....183.430 / 04103

≥2 onboard; op station & E/R access

No unsafe conditions/practices exist.....176.830 / 09298

Paint locker.....183.530 / 07109

Enclosed space

Steel or equivalent

Class 1 Div 1 or intrinsically safe

Means to secure ventilation

### Lifesaving Equipment

- ♦ EPIRB (O or ≥ 3NM GL).....180.64 / 05111

- ♦ Life jackets.....180.71 / 11118

# Adults # Child

Lights (O/C/GL); Placard

- ♦ Ring Life Buoys.....180.70 / 11117

# w/light(s); # w/ 60' line(s)

- ♦ Liferaft & IBA.....180.200 / 11108

Quantity; Stowage

- ♦ Lifefloat & BA.....180.200 / 11108

Quantity; Stowage

- ♦ Rescue boat/platform.....180.210 / 11130

- ♦ Launching appliance(s).....176.808 / 11112

## **SMALL PASSENGER VESSEL T-BOAT CHECKLIST**

### **Firefighting Systems**

- ♦ Fire main & pump (≥65 ft & ≤49 pax).....181.300 / 07110
- Fire stations.....181.310 / 07110
- ♦ Fire Buckets ≥3 - 2.5 gal.....181.610 / 07110
  - Lanyard; 'FIRE BUCKET'*
  - Hand operated fire pump ≥5 gpm (Old T)*
- ♦ Portable Fire Extinguishers.....181.500 / 07110
- ♦ Semi-portable firefighting.....181.500 / 07110
- Fire axe(s)(≥65').....181.600 / 07110
- ♦ Fixed fire extinguishing systems.....181.400 / 07109
- ♦ Fire & smoke detection systems.....177.410 / 07106
- Structural fire protection (FRP).....177.410 / 07101

### **Machinery & Aux Systems**

Steering gear.....176.814 / 02105

- *Emergency steering unless duplicate controls/multi-screw propulsion*

Fuel oil service system.....182.435 / 13199

- ♦ *Shutoff valves (tank connection, ≤ 12" w/in space & shielded) & engine end of fuel line*
- Suitable metal marine type strainer*
- Nonmetallic flexible hoses and fittings*
- Double hose clamps, lengths permitted, approved standards*

Main propulsion system(s).....182.200 / 13101

- At least 2 means of stopping the engine*
- Protective covers/guards*
- System hull penetrations*
- Keel coolers w/shutoff valve (external)*
- Operational test*
- Gauges: Engine RPM, Jacket water temp, LO pressure*

Unfired pressure vessels (UPVs).....61.10-5 / 13199

- Data plate(s)*
- External (5 yrs)/Internal (5 yrs when accessible)*
- Pressure gauges/Relief device (2/5, <3yrs; <10%±Limit)*

Potable water system.....54.01-15 / 09130

- ♦ Bilge system.....182.520 / 13104
  - Portable hand bilge (if required)*
  - Visual & audible alarm (>26')*
  - Operational test*

Exhaust system (wet & dry).....182.425 / 13199

- Dry Exhaust pipes are suitably insulated*
- Wet Exhaust insulation or water jacketed prior to point of cooling; suitable strainer*

Auxiliary Boiler(s).....176.812 / 13199

### **Electrical Systems**

Switchboard & distribution panel.....183.330 / 02108

- Dry, ventilated, enclosed, drip shield*

Main service generator/prime mover....183.310 / 13102

- 2 sources of power for vital systems*
- ≥ 50 Volts, voltmeter & ammeter (AC)*
- Overcurrent device*
- Reverse Power Relay (parallel ops)*
- Protective Cover/Guards*

Lighting systems.....183.410 / 09203

- Guard/hi-strength material*
- Emergency lighting operational test*

Battery installation.....183.352 / 02108

- Properly installed/secured/located*
- Large installations in a room/box - Class I, Div I space*
- Ammeter connected in the charging circuit*

Electrical cable & fixtures.....183.340 / 02108

- Supports (≤24")*
- No sharp radius or bends*

Hazardous area components.....183.530 / 02108

- Gasoline or fuels w/flashpoint of ≤ 110F*
- Paint lockers*

### **Structural/Watertight Integrity**

- ♦ Hatches & WT doors.....179.330 / 03107

- Class 2 & 3: local/remote controls, alarms, time*

Watertight bulkhead penetrations.....179.320 / 03199

- Locations-high & inboard; watertight; no sluice valves*

Hull structure.....177.300 / 02199

- Damage, wastage & fractures*
- No unauthorized repairs*

### **Pollution Prevention**

Sewage system.....33-159.57 / 14402

- Operation; Capacity; MSD approval*
- Instructions & warning placard posted*
- Overboard discharge valve is closed & secure*

Garbage handling.....184.702 / 01320

- Plan compliance*
- Handling of plastics*
- Placards posted (>26')*

Oil pollution prevention.....33-155.450 / 14502

- Placard posted (>26')*
- *Bilges free of debris & excessive oil.....176.830 / 07126*

Vessel General Permit (VGP)....CG-543 PL 11-01 / 99103

- Discharges & Log entries*

### **Topside Equipment**

- ♦ Freeing ports & scuppers.....176.700 / 03112

- No modifications; unobstructed*

Ground tackle, mooring lines.....184.300 / 09228

- Suitability; Operation; Condition*

- ♦ Port lights & vent openings.....182.460 / 03106

- Covers - readily available & operational*
- Closing devices - proper fit & seal*

Fuel tank venting.....182.450 / 02107

- Condition and location*
- Flame screen(s)*
- Vent size*

Rails & guards.....177.900 / 03103

- Heights & courses (39.5", 200lb point load, 50lb uniform load minimum)*
- Storm rails; Guards for vehicles*

## **SMALL PASSENGER VESSEL T-BOAT CHECKLIST**

- **Human Factors & Safety Culture/Drills**

*These questions are a sample of potential questions that a marine inspection can use to determine the efficacy of a safety culture aboard a vessel. Crews that are unable to provide satisfactory answers may be considered for a flag state detention.*

-Does the vessel create voyage plans?

*Who creates/monitors/verifies them and what are the criteria?*

-How often is lifesaving equipment checked by the crew (rafts, lifejackets, provisions, instructions, etc.)?

-What is the process of reporting/discarding/replacing faulty lifesaving system parts?

-How do you track preventative maintenance?

-What are your procedures if you receive an alarm?

-How often is the bilge system tested?

-What is the process for ordering CG approved equipment such as lifejackets or flares?

-What is the process for making vessel alterations?

-Does the vessel anchor? Describe the process.

-What procedures and watches are followed for overnight voyages?

-Do you know the limits of your stability letter/route?

-What is your response to any injuries onboard?

-What is your response to marine casualties?

-What is your response to loss of steering/propulsion?

-Do you have procedures for charging non-permanent lithium-ion batteries?

-What are the crew members' responsibilities for responding to an emergency?

-What are the crew members' responsibilities for the safe operation of the vessel?

### **Emergency Drills General**

-How do you check the weather prior to getting underway?

-What are your procedures if you suspect inclement weather while you are underway?

-How does the crew conduct crowd control during an emergency?

-How are crew members selected/ how is the crew rotation determined?

-What training is required for crew members and how often are emergency drills conducted for crew members on each vessel?

-How do you perform/evaluate/track your drills?

-What are the responsibilities for each crew member during emergency situations?

-How often are your emergency systems (emergency lighting, emergency alarms, public address system, etc.) operated and inspected for proper function?

-Did the drill follow the emergency instructions and/or placards posted?

**Fire Drill**.....185.524 / 04109

-Did crew member sound alarm?

-Did crew member attempt initial action?

-Verify effective comms with master/crew/pax.

-Did the Master turn the vessel into the wind, slow down, etc, and make announcements to crew/pax and make the call to local CG or good sam vessels?

-Verify crew's familiarity with use of equipment

-Did crew effectively fight fire with fire extinguishers, close off ventilation closures, secure power and fuel?

-Did the crew understand the agent(s) used?

-Did the crew know how to operate and deploy the Fixed Fire Extinguishing System and/or fire pump?

-How often do you charge a fire hose during drills?

**Man Overboard Drill**.....176.808 / CG004

-Witness launching and use of rescue boat

-Verify readiness and condition of rescue platform

-Verify effective comms with master/crew/pax.

-Did the crew throw 'Oscar' overboard?

-Did the crew call out "man overboard," vessel side and point to the victim?

-Did crew throw aid or other flotsam overboard?

-Was the waterlight attached to the ring life buoy and was it deployed immediately?

-Did the Master return on reciprocal?

-Did Master sound danger signal, mark position, course and speed, announce situation to crew/pax and simulate comms to CG/good Samaritan vessels?

-Did the Master approach the victim with a plan and was he successful?

-Did the crewmembers properly don PFDs, take control of the situation and direct passengers as appropriate?

-When alongside, did crewmembers have a plan for retrieving the victim?

-Verify ability to recover a helpless person

-When the victim was recovered, did the crew complete basic first aid that included the ABCs?

**Abandon Ship Drill**.....176.808 / 04110

-Verify all lifejackets are correctly donned

-Witness means of launching survival craft

-Did the Master simulate broadcasting a mayday on the VHF radio and provide the vessel position, number of persons onboard and type of distress?

-Did the crew have a plan on how to deploy and marshal the vessel's primary lifesaving devices?

-Did the Master simulate activating the EPIRB?

## **SMALL PASSENGER VESSEL T-BOAT CHECKLIST**

### **International**

PSSC ..... SOLAS I/12 / 01103  
 EIAPP (Diesel >130kW).....MARPOL VI/13.1 / 01125  
 IAPP & Supplement (>400 ITC).....MARPOL VI/8 / 01124  
 IAFS w/Record .....AFS Article 3 / 01131  
 IEEC (>400 ITC).....MEPC.203(62),CVC PL 13-02 / 01138  
 IOPP (>400 ITC).....MARPOL I/9 / 01117  
 SOVC MARPOL IV (>400 ITC).....33-159.53 / 01119  
 Credentials.....STCW I/2.6 / 01299  
     *STCW endorsements*  
     *Vessel Security Officer endorsement*  
     *TWIC*  
     GMDSS endorsements  
 ILLC (>150 ITC or ≥79').....175.122 / 01108  
 ISM-DOC.....SOLAS IX/4.2 / 01106  
 ISM-SMC.....SOLAS IX/4.3 / 01107  
 ISSC & CSR.....SOLAS 14 XI-1/5.5.2 / 01122  
 Tonnage Certificate.....69.69 / 01132  
 Garbage Placards, Plans, & Records  
     *Placard (>12m length).....MARPOL 10.1.1 / 14502*  
     *Management Plan (≥15 POB).....MARPOL 10.2 / 14503*  
     *Record Book (≥15 POB).....MARPOL 10.3 / 01320*  
 Official logbook.....185.280 / 01305  
 Maintenance Records.....SOLAS IV/15 / 11199  
     *Survival craft.....SOLAS III/20.7 / 05116*  
     *Test reports for VHF-DSC, AIS, LRIT & SSAS.....SOLAS IV/17*  
 SOPEP (>400 ITC).....184.702 / 01314  
 Transfer Procedures (≥250 bbls).....184.702 / 14105  
 Vessel's training log.....SOLAS III/35 / 01305  
 Oil Record Book (>400 ITC).....33-151.25(b) / 01315  
 Voyage data recorder.....SOLAS V/20 / 10114  
 AIS.....SOLAS V/19.2.4 / 10113  
 Bridge navigation equipment.....SOLAS V/19.2 / 10105-7  
     *Spare magnetic compass*  
     *Pelorus or compass bearing device*  
     *Electronic plotting aide*  
     *Speed & distance measuring device*  
 Immersion suits.....199.70 / 11119  
 Outfits/equipment.....SOLAS II-2/10.10.2 / 07111  
 Fire Control Plan.....SOLAS II-2/15.3 / 07122  
 Int'l Shore Connection.....SOLAS II-2/10.2.1.7 / 07118  
 Communication equipment (Sea Area)  
     NAVTEX.....47-80.1101 / 05110  
     Portable VHF(s).....47-80.1095 / 05109  
     AIS-SART.....SOLAS III/6.2.1 / 11123  
     GMDSS radio equipment.....47-80.1095 / 05118  
 LRIT.....33-169.205 / 10137  
     *Conformance test report*  
 Depth sounder.....SOLAS V/19.2.3.1 / 10117

### **International – Security**

VSP/ASP.....33-104.120 / 16103  
     *Secured*  
     *Amendment(s)*

Security records.....33-104.235 / 16107  
     *Records of Training/Drills*  
     *Declarations of Security (DoS)*  
     *Annual exercise/Audit*  
 Security equipment.....33-104.292 / 16107  
     *Equipment matches plan*  
     *Maintenance records*  
 Crew's security knowledge.....33-104.200 / 16106  
     *CSO/VSO*  
     *VSO knowledge of responsibilities*  
     *Crew's knowledge of their responsibilities*  
     *Compliance with MARSEC*

### **SV Addendum – NVIC 2-16**

- MMC – Aux. sail endorsement.....15.901(d) / 01201
- Rigging Plan.....177.202 / 99101  
     *Vessel information & structure particulars*
- Sail Area Plan (Sail Plan).....177.202 / 99101
- Spar(s) & fittings.....176.802 / 99101
- Standing rigging components.....176.802 / 99101
- Rail configuration.....177.900(f) / 03103
- Running rigging components.....176.802 / 99101
- Rigging/hull components under sail.....176.802 / 99101  
     *Condition of sails*  
     *Crew's ability to set/strike sails/safety aloft*  
     *Passenger safety*
- Catamaran forestay.....176.802 / 99101
- Man overboard drill under sail.....185.420 / CG004
- Hull/mast internal support structure.....176.802 / 02199  
     *Mast partner/step structure*  
     *Chain plate backing / reinforcement to hull*

### **Wood Addendum**

- Survival craft.....180.200 / 11101/4/8/27
- Bilge & high-water alarms.....182.530 / 13104
- Subdivision & damage stability.....179.210 / 02199  
     *Collision bulkhead (>65' | >49 pax | exposed waters |*  
     *wood hull after 2001 & cold water | >40' & partially*  
     *protected)*  
     *Subdivision (>65' | >49 pax | wood hull after 2001 & >12*  
     *pax | SOLAS)*
- Wood hull.....176.610 / 02199
- Wood hull fasteners.....NVIC 7-95 / 02199
- Internal inspection of wood hull.....176.610 / 02199
- Repair(s).....176.610 / 02199

*Submit any change requests to [CG-CVC@uscg.mil](mailto:CG-CVC@uscg.mil).*