

United States Coast Guard



**Small Passenger Vessel (T) Inspector
Job Aid**

| | |
|--|--|
| Name of Vessel | |
| Official Number | Activity Number |
| Date Completed | Class |
| Location | |
| Vessel Built in Compliance with SOLAS: 60 74 74/78 NA | |
| Route | |
| <input type="checkbox"/> Oceans | <input type="checkbox"/> Limited Coastwise |
| <input type="checkbox"/> Coastwise | <input type="checkbox"/> Great Lakes |
| <input type="checkbox"/> Lakes / Bays / Sounds | <input type="checkbox"/> Rivers |
| Inspection Type | |
| <input type="checkbox"/> Inspection for Certification (COI) | <input type="checkbox"/> Annual |
| <input type="checkbox"/> Periodic | <input type="checkbox"/> Drydocking |
| Inspectors | |
| 1. _____ | 3. _____ |
| 2. _____ | 4. _____ |

Use of Small Passenger Vessel “T” (T-boat) Job Aid:

This Job Aid is intended for use by qualified Coast Guard T-boat Marine Inspectors for use on U.S. flagged T-boats inspections on vessels regulated under Subchapter T. For T-boats built prior to March 11, 1996, “Old” Subchapter T may apply.

The tasks contained within this Job Aid are not intended to limit the scope or depth of inspection. A checked box should be a running record of what has been inspected and does not imply that the entire system has been inspected or that all or any items are in full compliance. This Job Aid does not constitute part of the official inspection record.

This document does not establish or change federal laws or regulations and references given are only general guidance to the Marine Inspector. The Marine Inspector will need to refer to other publications such as the U.S. Codes of Federal Regulation (CFR), USCG Navigation and Vessel Inspection Circulars (NVIC) or locally produced guidance during the course of inspection for specific regulatory references. Not all items in this Job Aid are applicable to all vessels.

NOTE: *Guidance on how to conduct inspections of U.S. flagged T-boats can be found in MSM Volume II, Section B: Domestic Inspection Programs.*

Pre-inspection Items

- Review MISLE records
- Obtain copies of forms to be issued

Post-inspection Items

- Issue letters/certificates to vessel
- Complete MISLE entries within 48 hours

Table of Contents:

Administrative Items

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| Involved Parties & General Information | 1 |
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Administrative Items

Involved Parties & General Information:

| |
|---------------------------------------|
| Vessel's Representative: _____ |
| Phone Numbers: _____ |

| |
|------------------------------------|
| Owner |
| |
| |
| <input type="checkbox"/> No Change |

| |
|--|
| Operator – Listed on DOC (if applicable) or COFR |
| |
| |
| <input type="checkbox"/> No Change |

Conversions:

| Steel Plate | | | | |
|----------------|-------------------|-------------------|--|----------|
| Fractions | Decimal | mm Standard Plate | Wastage @ 25% | |
| | | | Decimal | mm |
| 1/8 | .125 | 3.175mm | .0938 | 2.381mm |
| ¼ | .250 | 6.35mm | .1875 | 4.7625mm |
| 3/8 | .375 | 9.52mm | .2812 | 7.14mm |
| ½ | .500 | 12.70mm | .3750 | 9.525mm |
| 5/8 | .625 | 15.78mm | .4688 | 11.906mm |
| ¾ | .750 | 19.05mm | .5625 | 14.287mm |
| 7/8 | .875 | 22.22mm | .6566 | 16.66mm |
| 1 | 1.00 | 25.40mm | .7500 | 19.05mm |
| 1 1/8 | 1.125 | 28.57mm | .8430 | 21.431mm |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| Aluminum Plate | | | | |
| Decimal | mm Standard Plate | Wastage @ 25% | Wastage Allowances, Conventional Vessels < 90M (295 ft) built to ABS Standards | |
| .1969 | 5mm | 3.75mm | Main Deck Plating | 15% |
| .2362 | 6mm | 4.50mm | Bottom Plating | 15% |
| .2756 | 7mm | 5.25mm | Keel Plating | 15% |
| .3150 | 8mm | 6.00mm | Sheer Strake | 15% |
| .3543 | 9mm | 6.75mm | Bilge Strake | 15% |
| .3937 | 10mm | 7.50mm | Side Shell Plating | 20% |
| .4331 | 11mm | 8.25mm | Forecastle | 20% |
| .4724 | 12mm | 9.00mm | Internals & Bulkheads | 20% |
| .5118 | 13mm | 9.75mm | | |
| .5519 | 14mm | 10.50mm | | |

Conversions:

| Distance and Energy | | | | |
|--|---------|---|---------------------|--------------------------------------|
| Kilowatts (kW) | X | 1.341 | = | Horsepower (hp) |
| Feet (ft) | X | 3.281 | = | Meters (m) |
| Long Ton (LT) | X | .98421 | = | Metric Ton (t) |
| Liquid (NOTE: Values are approximate.) | | | | |
| Liquid | bbbl/LT | m ³ /t | bbbl/m ³ | bbbl/t |
| Freshwater | 6.40 | 1.00 | 6.29 | 6.29 |
| Saltwater | 6.24 | .975 | 6.13 | 5.98 |
| Heavy Oil | 6.77 | 1.06 | 6.66 | 7.06 |
| DFM | 6.60 | 1.19 | 7.48 | 8.91 |
| Lube Oil | 7.66 | 1.20 | 7.54 | 9.05 |
| Weight | | | | |
| 1 Long Ton | = | 2240 lbs | 1 Metric Ton | = 2204 lbs |
| 1 Short Ton | = | 2000 lbs | 1 Cubic Foot | = 7.48 gal |
| 1 Barrel (oil) | = | 5.61 ft = 42 gal = 6.29 m ³ | 1 psi | = .06895 Bar = 2.3106 ft of water |
| Temperature: Fahrenheit = Celsius (°F = 9/5 °C + 32 and °C = 5/9 (°F – 32)) | | | | |
| 0 | = | -17.8 | 80 | = 26.7 |
| 32 | = | 0 | 90 | = 32.2 |
| 40 | = | 4.4 | 100 | = 37.8 |
| 50 | = | 10.0 | 110 | = 43.3 |
| 60 | = | 15.6 | 120 | = 48.9 |
| 70 | = | 21.1 | 150 | = 65.6 |
| 200 | = | 93.3 | 300 | = 148.9 |
| 250 | = | 121.1 | 400 | = 204.4 |
| 300 | = | 148.9 | 500 | = 260 |
| 400 | = | 204.4 | 1000 | = 537.8 |
| 500 | = | 260 | | |
| 600 | = | 320 | | |
| 700 | = | 380 | | |
| 800 | = | 440 | | |
| 900 | = | 500 | | |
| 1000 | = | 560 | | |
| Pressure: Bars = Pounds per square inch | | | | |
| 1 Bar | = | 14.5 psi | 5 Bars | = 72.5 psi |
| 2 bars | = | 29.0 psi | 6 Bars | = 87.0 psi |
| 3 Bars | = | 43.5 psi | 7 Bars | = 101.5 psi |
| 4 Bars | = | 58.0 psi | 8 Bars | = 116.0 psi |
| 5 Bars | = | 72.5 psi | 9 Bars | = 130.5 psi |
| 6 Bars | = | 87.0 psi | 10 Bars | = 145.0 psi |

Vessel Information:

| | | |
|--------------------------------|-----------------------------|-------------------|
| Last Drydocking Date | Next Drydocking Date | |
| Location of Last Drydocking | | |
| Call Sign | | |
| Built Date (use delivery date) | | |
| Overall Length (in feet) | | |
| Maximum Passengers Allowed | | |
| Overnight Accommodations: | | |
| <input type="checkbox"/> Yes | <input type="checkbox"/> No | If yes, how many? |

Vessel Equipment:

| | | | |
|--|------------------|----------------------|------------------------|
| Lifejackets Required | | Onboard | |
| Total Ring Lifebuoys | | | |
| w/ Lights | w/ Lines | Others | |
| Number & Type of Survival Craft | | | |
| Type | Number | Capacity (Persons) | |
| | | | |
| | | | |
| | | | |
| Pressure Vessels | | | |
| Service | Working Pressure | Relief Valve Setting | Date Tested / Examined |
| | | | |
| | | | |
| | | | |
| Portable Fire Extinguishers | | | |
| Required | | Onboard | |
| Number | Class | Number | Class |
| | | | |
| | | | |
| | | | |
| Fixed Fire Extinguishing Systems | | | |
| Spaces Protected | Agent | Capacity | |
| | | | |
| | | | |
| | | | |
| Fire Hoses | | | |
| Number Required | Number Onboard | Diameter | Length |
| | | | |
| | | | |
| | | | |

Notes: _____

Deficiency Summary Worksheet:

| Name of Vessel | |
|-----------------------|--|
| Deficiency | Req't. Issued/ Date Cleared |
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Certificate of Inspection (COI)

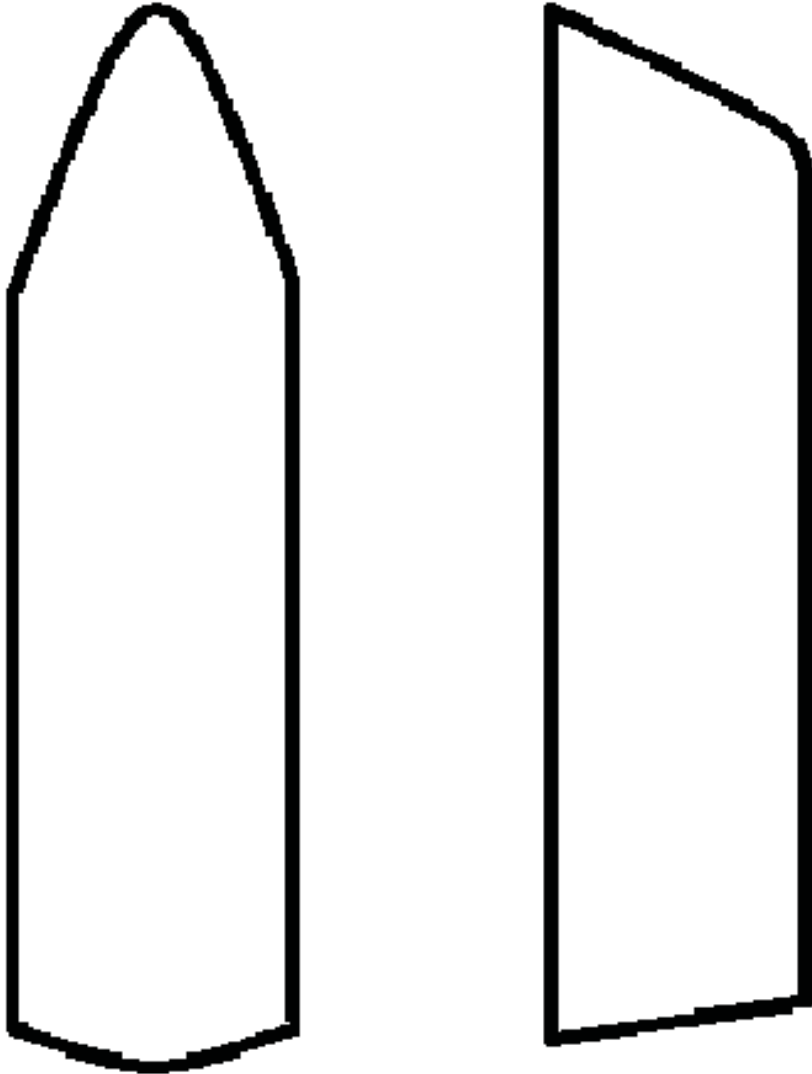
- 1. Research vessel details in MISLE (Marine Information for Safety and Law Enforcement) database MSM I/12.G.5
- 2. Coordinate inspection with vessel's representative MPS-PR-SEC-01
- 3. Mitigate potential hazards encountered during an inspection NFPA 306
29 CFR 1915.4
- 4. Conduct initial vessel visual examination 46 CFR 184.300
- 5. Review Certificate of Inspection (COI) 46 CFR 176.302
- 6. Verify vessel's stability letter 46 CFR 178.210
46 CFR 178.220
- 7. Review Merchant Mariner Credentials (MMCs) 46 CFR 15.515
46 CFR 10.205(g)
- 8. Verify compliance with drug and alcohol program 46 CFR 16.401
- 9. Examine maintenance and service records (liferrafts & firefighting) 46 CFR 176.810
- 10. Verify compliance with the Vessel General Permit (VGP) (when applicable) VGP 1.5.1.1 & 10
VGP Table 1
- 11. Examine muster lists and emergency instructions 46 CFR 185.510
46 CFR 185.512
- 12. Review Certificate of Documentation (COD) 46 CFR 67.313
- 13. Examine Federal Communications Commission Marine Radio Operator Permit 47 CFR 80.159(e)
- 14. Review Federal Communications Commission Bridge-to-Bridge Certificate (when applicable) 47 CFR 80.1001
- 15. Review Federal Communications Commission Station License 47 CFR 80.13
- 16. Review Federal Communications Commission Safety Radiotelephony Certificate (when applicable) 47 CFR 80.59 (a)(2)
47 CFR 80.901
- 17. Review vessel's log 46 CFR 185.728
- 18. Examine Waste/Garbage Management Plan (when applicable) 33 CFR 151.57
MARPOL V/9.2
- 19. Verify operations of internal communication and control systems 46 CFR 184.602
- 20. Inspect radar(s) (when applicable) Operation Manual
- 21. Inspect magnetic compass (when applicable) 46 CFR 184.402(c)
- 22. Inspect electronic position-fixing device (satellite navigation (GPS) receiver) (when applicable) 46 CFR 184.410
- 23. Verify radio telephone equipment (when applicable) 46 CFR 184.502
47 CFR 80.1003

Recommended US Vessel Deficiency Procedures:

| Step | Action | | | | | | | | |
|---|---|----------------|--------------------|--|---|--|--|---|--|
| 1 | Identify deficiency | | | | | | | | |
| 2 | Inform vessel representative | | | | | | | | |
| 3 | Record on the Deficiency Summary Worksheet (next page) | | | | | | | | |
| 4 | If deficiency is corrected prior to end of inspection, go to step 7 | | | | | | | | |
| 5 | <p>If deficiency is unable to be corrected prior to end of inspection, issue CG-835 in accordance with the table below:</p> <table border="1"> <thead> <tr> <th>IF deficiency:</th> <th>THEN issue CG-835:</th> </tr> </thead> <tbody> <tr> <td> <p>Does NOT immediately impact crew/passenger safety, hull seaworthiness or the environment, e.g.,</p> <ul style="list-style-type: none"> • Missing placards • Lifejacket not marked </td> <td> <p>That provides a specific time for correcting deficiency, e.g.,</p> <ul style="list-style-type: none"> • "X" number of days • At next drydock </td> </tr> <tr> <td> <p>Allows Vessel operations to be MODIFIED to meet less stringent requirements, e.g.,</p> <ul style="list-style-type: none"> • Expired international certificates • Automation defect • Insufficient lifesaving equipment </td> <td> <p>That restricts operation of vessel to meet current vessel conditions, e.g.,</p> <ul style="list-style-type: none"> • Reduced route • Increased crew • Fewer passengers </td> </tr> <tr> <td> <p>DOES immediately impact crew/passenger safety, hull seaworthiness, or the environment and cannot be modified to meet less stringent requirements, e.g.,</p> <ul style="list-style-type: none"> • Missing or defective firefighting equipment • Structural defect or damage </td> <td> <p>That requires the deficiency to be corrected prior to operating vessel ("NO SAIL" item), e.g.,</p> <ul style="list-style-type: none"> • Prior to carrying passengers </td> </tr> </tbody> </table> | IF deficiency: | THEN issue CG-835: | <p>Does NOT immediately impact crew/passenger safety, hull seaworthiness or the environment, e.g.,</p> <ul style="list-style-type: none"> • Missing placards • Lifejacket not marked | <p>That provides a specific time for correcting deficiency, e.g.,</p> <ul style="list-style-type: none"> • "X" number of days • At next drydock | <p>Allows Vessel operations to be MODIFIED to meet less stringent requirements, e.g.,</p> <ul style="list-style-type: none"> • Expired international certificates • Automation defect • Insufficient lifesaving equipment | <p>That restricts operation of vessel to meet current vessel conditions, e.g.,</p> <ul style="list-style-type: none"> • Reduced route • Increased crew • Fewer passengers | <p>DOES immediately impact crew/passenger safety, hull seaworthiness, or the environment and cannot be modified to meet less stringent requirements, e.g.,</p> <ul style="list-style-type: none"> • Missing or defective firefighting equipment • Structural defect or damage | <p>That requires the deficiency to be corrected prior to operating vessel ("NO SAIL" item), e.g.,</p> <ul style="list-style-type: none"> • Prior to carrying passengers |
| IF deficiency: | THEN issue CG-835: | | | | | | | | |
| <p>Does NOT immediately impact crew/passenger safety, hull seaworthiness or the environment, e.g.,</p> <ul style="list-style-type: none"> • Missing placards • Lifejacket not marked | <p>That provides a specific time for correcting deficiency, e.g.,</p> <ul style="list-style-type: none"> • "X" number of days • At next drydock | | | | | | | | |
| <p>Allows Vessel operations to be MODIFIED to meet less stringent requirements, e.g.,</p> <ul style="list-style-type: none"> • Expired international certificates • Automation defect • Insufficient lifesaving equipment | <p>That restricts operation of vessel to meet current vessel conditions, e.g.,</p> <ul style="list-style-type: none"> • Reduced route • Increased crew • Fewer passengers | | | | | | | | |
| <p>DOES immediately impact crew/passenger safety, hull seaworthiness, or the environment and cannot be modified to meet less stringent requirements, e.g.,</p> <ul style="list-style-type: none"> • Missing or defective firefighting equipment • Structural defect or damage | <p>That requires the deficiency to be corrected prior to operating vessel ("NO SAIL" item), e.g.,</p> <ul style="list-style-type: none"> • Prior to carrying passengers | | | | | | | | |
| 6 | Enter CG-835 data in MISLE | | | | | | | | |

Appendices

Vessel Layout:



- | | | |
|--------------------------|--|--|
| <input type="checkbox"/> | 24. Inspect navigation and signaling lights, and dayshapes | 33 CFR 83.20(b) COLREG Rule 20 |
| <input type="checkbox"/> | 25. Inspect sound signaling devices | 33 CFR 83.33 COLREG Rule 33 |
| <input type="checkbox"/> | 26. Verify navigational publications and nautical charts | 46 CFR 184.420 |
| <input type="checkbox"/> | 27. Inspect steering system controls at operating station | 46 CFR 182.610(a) 46 CFR 182.610(b) & (c) |
| <input type="checkbox"/> | 28. Inspect alarms and gauges at operating station | 46 CFR 182.530(a) 46 CFR 182.530(b) |
| <input type="checkbox"/> | 29. Inspect accommodations | 46 CFR 177.800 |
| <input type="checkbox"/> | 30. Inspect means of escape from accommodation, machinery and other spaces | 46 CFR 177.500 |
| <input type="checkbox"/> | 31. Inspect mess deck and galley spaces | 46 CFR 176.818 |
| <input type="checkbox"/> | 32. Inspect paint locker(s) (when applicable) | 46 CFR 181.400(a)(7) |
| <input type="checkbox"/> | 33. Inspect Emergency Position Indicating Radio Beacon (EPIRB) (when applicable) | 46 CFR 180.64 47 CFR 80.1061(e) |
| <input type="checkbox"/> | 34. Inspect distress signals (when applicable) | 46 CFR 180.68 |
| <input type="checkbox"/> | 35. Inspect life jackets | 46 CFR 180.71(c) 46 CFR 180.25(a) |
| <input type="checkbox"/> | 36. Inspect life buoys | 46 CFR 180.70(b)(1) 46 CFR 160.050 |
| <input type="checkbox"/> | 37. Inspect inflatable liferaft & inflatable buoyant apparatus installations (when applicable) | 46 CFR 180.200(a)(1) |
| <input type="checkbox"/> | 38. Inspect lifefloat installations (when applicable) | 46 CFR 180.200(a)(2) |
| <input type="checkbox"/> | 39. Inspect rescue boat (when applicable) | 46 CFR 180.210 46 CFR 160.056 |
| <input type="checkbox"/> | 40. Inspect launching appliance(s) (when applicable) | 46 CFR 180.130(c) 46 CFR 180.150(c) |
| <input type="checkbox"/> | 41. Inspect buoyant apparatus (when applicable) | 46 CFR 180.15(b) 46 CFR 180.200(a)(4) |
| <input type="checkbox"/> | 42. Inspect fire main and pump (when applicable) | 46 CFR 181.300(b) & (c) |
| <input type="checkbox"/> | 43. Inspect fire stations | 46 CFR 181.310(a) |
| <input type="checkbox"/> | 44. Inspect portable fire extinguishers | 46 CFR 181.500 46 CFR 181.520 |
| <input type="checkbox"/> | 45. Inspect semi-portable firefighting equipment (when applicable) | 46 CFR 181.500 46 CFR 181.520 |
| <input type="checkbox"/> | 46. Inspect fire axe(s) (when applicable) | 46 CFR 181.600 |
| <input type="checkbox"/> | 47. Inspect high pressure CO2 system(s) (when applicable) | MSM II/C.2.I.5 |
| <input type="checkbox"/> | 48. Inspect pre-engineered fixed gas fire extinguishing systems (when applicable) | 46 CFR 181.420(a)(1) |

- 49. Inspect fire and smoke detection systems (when applicable) 46 CFR 181.400(c),(e) & (f)
46 CFR 181.450
- 50. Inspect fire buckets (when applicable) 46 CFR 181.610
- 51. Verify structural fire protection on fiberglass hull 46 CFR 177.410(b)
- 52. Inspect steering gear 46 CFR 176.814
46 CFR 182.610
- 53. Inspect fuel oil service system 46 CFR 182.455
- 54. Inspect main propulsion system(s) 46 CFR 182.310
46 CFR 176.804
- 55. Inspect unfired pressure vessels (UPVs) (when applicable) 46 CFR 54.10-20
- 56. Examine potable water system (when applicable) 21 CFR 1250.82(c)
MSM II/A.C.2.a
- 57. Inspect bilge system 46 CFR 176.804(h)
46 CFR 182.520
- 58. Inspect (wet & dry) exhaust system(s) 46 CFR 176.804(c)
46 CFR 182.430
- 59. Inspect auxiliary boiler(s) (when applicable) 46 CFR 54.10-20
- 60. Inspect switchboard(s) 46 CFR 183.330(a) - (e)
46 CFR 183.330(i)
- 61. Inspect main service generator(s) and prime mover(s) 46 CFR 183.310
- 62. Inspect lighting systems 46 CFR 183.410
UL 1570
- 63. Inspect battery installation 46 CFR 183.352
- 64. Inspect electrical cable and fixtures 46 CFR 183.340(b)(4)
- 65. Inspect distribution panel(s) 46 CFR 183.330(a)
46 CFR 183.330(e)
- 66. Inspect components installed in designated hazardous areas (when applicable) 46 CFR 183.530(a)
46 CFR 183.530(b)
- 67. Witness simplified stability proof test 46 CFR 178.310(c)
46 CFR 178.320
- 68. Witness pontoon simplified stability test 46 CFR 178.310(c)
46 CFR 178.320
- 69. Witness deadweight survey with or without inclining 46 CFR 178.310(a)
46 CFR 178.310(b)
- 70. Verify drainage requirements 46 CFR 178.410 & .420
46 CFR 178.430
- 71. Verify simplified subdivision (when applicable) 46 CFR 179.212
- 72. Inspect hatches and Class-1 watertight doors (when applicable) 46 CFR 179.330(c)
46 CFR 174.210
- 73. Inspect Class 2 & 3 watertight doors (when applicable) 46 CFR 179.330(c)
46 CFR 170.270(c)(2)
- 74. Inspect watertight bulkhead penetrations 46 CFR 179.320(c)

Wood Vessels

- 166. Verify survival craft 46 CFR 180.200(c)
- 167. Inspect bilge and high water alarms 46 CFR 182.530(b)
- 168. Verify subdivision and damage stability requirements 46 CFR 179.210(b)(4)
- 169. Inspect wood hull 46 CFR 176.610(a)
NVIC 07-95 4.A-F
- 170. Inspect wood hull fasteners (when applicable) NVIC 07-95 4.K.1
- 171. Conduct internal inspection of wood hull 46 CFR 176.610(b)
NVIC 07-95 4.A-F
- 172. Evaluate repair(s) 46 CFR 176.610
NVIC 07-95

- 142. Inspect automatic identification system (AIS) (when applicable) 33 CFR 164.205(a)
- 143. Inspect bridge navigation equipment (when applicable) SOLAS 14 V/19.2.2.1
- 144. Inspect communication equipment (when applicable) 47 CFR 80.1101(c)
SOLAS 14 IV/7.1.4
- 145. Inspect long range identification and tracking (LRIT) (when applicable) 33 CFR 169.205(a)
SOLAS 14 V/19
- 146. Inspect depth sounding equipment (when applicable) SOLAS 14 V/19.2.3.1
- 147. Inspect Global Maritime Distress and Safety System (GMDSS) equipment 47 CFR 80.1083
SOLAS 14 IV/6.2.5
- 148. Inspect immersion suits (when applicable) 46 CFR 180.10
46 CFR 199.70(c)
- 149. Inspect emergency outfits and equipment SOLAS 14 II-2/10.10.2
- 150. Inspect fire control plan SOLAS 14 II-2/15.3
- 151. Inspect International Shore Connection (when applicable) Fire Control Plan
- 152. Issue/endorse vessel's certificates (when applicable) 46 CFR 175.120
SOLAS 14 I/14(i)(ii)

Sail Vessels

- 153. Review Master's Merchant Mariner Credential (MMC) 46 CFR 15.901(d)
- 154. Review Rigging Plan (when applicable) 46 CFR 177.202 (b)(12)
46 CFR 177.202 (c)
- 155. Review Sail Area Plan (Sail Plan) 46 CFR 177.202(b)(12)(ii)
- 156. Inspect spar(s) & fittings 46 CFR 176.802(a)(3) & 177.330
Approved Rig Plan
- 157. Inspect standing rigging components (stays and shrouds) 46 CFR 176.802(a)(3)
- 158. Inspect rail configuration (when applicable) 46 CFR 177.900(f)
- 159. Inspect running rigging components (used to handle sails and movable spars) 46 CFR 176.802(a)(3)
- 160. Inspect rigging/hull components under sail 46 CFR 176.802(a)(3)
46 CFR 176.802(c)
- 161. Inspection of catamaran forestay load path and hull attachments 46 CFR 176.802(a)(3)
- 162. Witness man overboard drill under sail 46 CFR 185.420
46 CFR 185.510
- 163. Inspect hull/mast internal support structure 46 CFR 176.802(a)(3)
- 164. Witness Simplified Stability Test (when applicable) 46 CFR 178.325(b)
- 165. Conduct operational stability and handling sail tests (when applicable) 46 CFR 178.325(c)

- 75. Inspect hull structure 46 CFR 177.300
MSM II/B.1.B.1
- 76. Inspect sewage system 33 CFR 159.57
- 77. Conduct garbage handling (MARPOL Annex V) survey (when applicable) 46 CFR 184.702
33 CFR 151.51 & .57
- 78. Conduct Vessel General Permit (VGP) compliance verification (when applicable) CG-543 Policy Ltr 11-01
FWPCA Section 402
- 79. Examine freeing ports and scuppers (when applicable) 46 CFR 176.700
- 80. Examine ground tackle, mooring lines and related equipment 46 CFR 184.300
- 81. Inspect port lights, dead covers and natural vent openings 46 CFR 182.460(l)
46 CFR 182.465(h)
- 82. Inspect fuel tank venting 46 CFR 182.450(d)
46 CFR 182.450(f)
- 83. Inspect rails and guards 46 CFR 177.900
- 84. Evaluate Fire Drill 46 CFR 185.524
46 CFR 176.810(d)
- 85. Evaluate Man Overboard Drill 46 CFR 176.808(g)
46 CFR 185.520
- 86. Evaluate abandon ship drill 46 CFR 176.808(g)
46 CFR 185.520
- 87. Inspect steel and aluminum hulls 46 CFR 176.802
46 CFR 176.610
- 88. Inspect tailshaft(s), stern bearing(s) and propeller(s) 46 CFR 176.670
MSM II/B.3.D.3
- 89. Inspect the rudder installation 46 CFR 176.814
MSM II/B.3.E.2
- 90. Inspect hull appendages 46 CFR 176.610(a)
- 91. Inspect anchor chain(s) 46 CFR 184.300
- 92. Inspect sea valve(s) 46 CFR 176.610
46 CFR 179.350(c)
- 93. Verify if vessel qualifies to participate in the USCG's underwater survey program (UWILD) 46 CFR 176.630
NVIC 01-89
- 94. Inspect hull during an underwater survey 46 CFR 176.615
NVIC 01-89 Encl. 1/2.a
- 95. Inspect fiberglass external hull 46 CFR 176.610(a)
NVIC 08-87 Chapter 5
- 96. Inspect fiberglass internal hull 46 CFR 176.610(a)
NVIC 08-87 Chapter 5
- 97. Evaluate fiberglass repair(s) 46 CFR 176.610
NVIC 08-87 Chapter 6
- 98. Verify confined spaces are safe for entry 29 CFR 1915.12(f)
CIM 5100.47A/6.G.9.c
- 99. Inspect internal structures 46 CFR 176.610(b)
46 CFR 176.802
- 100. Verify nondestructive testing (NDT) using the liquid (dye) penetrant method 46 CFR 176.700(d)
NVIC 07-68 9(V)(A)

- 101. Verify suspected surface for satisfactory condition by nondestructive testing (NDT) using the magnetic particle method 46 CFR 176.700(d) NVIC 07-68 9(V)(A)
- 102. Verify suspected surface for satisfactory condition by nondestructive testing (NDT) using the radiography (gamma rays or x-rays) method 46 CFR 176.700(d) NVIC 07-68 9(V)(A)
- 103. Verify suspected surface(s) for satisfactory condition by nondestructive testing (NDT) using the ultrasonic method 46 CFR 176.700(d) NVIC 07-68 9(V)(A)
- 104. Verify nondestructive testing (NDT) using the hydro-static method 46 CFR 176.700(b) ABS 3-7-1/5.5
- 105. Verify nondestructive testing (NDT) using the pneumatic (air test) method 46 CFR 176.700(d) ABS 3-7-1/5.7
- 106. Evaluate steel and aluminum structural repair proposals 46 CFR 176.700(d) & 177.300 NVIC 07-68 IV
- 107. Inspect aluminum fit-up 46 CFR 177.300(b) NVIC 07-68 V & NVIC 11-80
- 108. Inspect steel fit-up 46 CFR 177.300(b) NVIC 07-68 V
- 109. Inspect welds for defects 46 CFR 177.300(b) ABS 2-4-1/5.15.1
- 110. Inspect back gouge (when applicable) 46 CFR 177.300(b) NVIC 07-68 V(G)(2)
- 111. Issue deficiencies 46 USC 3313(b) MSM II/A.2.C.4.b
- 112. Issue/endorse vessel's certificates (when applicable) 46 CFR 176.500(b)(1)(ii)
- 113. Complete MISLE Activity MSM I/12.G.2.a
- 114. Verify deficiency corrections MSM II/A.2.C.4
- 115. Ensure completion of drydock examination MSM II/A.2.C

International Routes

- 116. Inspect hull for required markings (when applicable) SOLAS 14 XI-1 1/3
- 117. Review Passenger Ship Safety Certificate (when applicable) 46 CFR 176.910(a) SOLAS 14 I/12(a)(i)
- 118. Review Engine International Air Pollution Prevention (EIAPP) Certificate (when applicable) MARPOL VI/13.1 MARPOL VI/13.8
- 119. Review International Air Pollution Prevention Certificate (IAPP) and Supplement Record of Construction and Equipment (when applicable) MARPOL VI/8

- 120. Review International Anti-Fouling System (IAFS) certificate with Record of Anti-Fouling System (when applicable) IMO Res MEPC.195(61) 4
- 121. Review International Energy Efficiency Certificate and Record of Construction (when applicable) IMO Res MEPC.203(62) Appendix VIII
- 122. Review International Oil Pollution Prevention Certificate (IOPP) (when applicable) MARPOL I/9
- 123. Review Statement of Voluntary Compliance, MARPOL Annex IV (Sewage) (when applicable) NVIC 01-09
- 124. Verify credentials 46 CFR 10.109(d) 46 CFR 11.202
- 125. Examine International Load Line Certificate (ILLC) (when applicable) 46 CFR 175.122 ICLL Article 16
- 126. Examine copy of Document of Compliance (ISM-DOC) (when applicable) 46 CFR 176.925 33 CFR 96.330
- 127. Examine Safety Management Certificate (ISM-SMC)(when applicable) 46 CFR 176.925 33 CFR 96.340
- 128. Examine International Ship Security Certificate (ISSC) & Continuous Synopsis Record (CSR) SOLAS 14 XI-1/5.5.2 ISPS Code A/19.2.4
- 129. Examine Certificate of Documentation (COD) (when applicable) 46 CFR 67.17 46 CFR 67.19
- 130. Examine Tonnage Certificate 46 CFR 69.69
- 131. Examine official logbook 46 CFR 185.280(a)
- 132. Examine Maintenance Records SOLAS 14 IV/15
- 133. Examine Shipboard Oil Pollution Emergency Plan (SOPEP) (when applicable) 46 CFR 184.702 33 CFR 151.09
- 134. Examine oil and hazardous liquid transfer procedures (when applicable) 46 CFR 184.702 33 CFR 155.720
- 135. Examine vessel's training log SOLAS 14 III/35
- 136. Examine Oil Record Book (ORB) (when applicable) 33 CFR 151.25(b) IMO Res MEPC.187(59)
- 137. Examine Vessel Security Plan (VSP/ASP) 33 CFR 104.120(a)(1) SOLAS 14 XI-2/4.2
- 138. Examine security records 33 CFR 104.235(b)(1) SOLAS 14 XI-2/4.2
- 139. Inspect security equipment 33 CFR 104.292(b)(ii) SOLAS 14 XI-2/6
- 140. Evaluate crew's knowledge of security plan 33 CFR 104.200(b)(2) SOLAS 14 Reg XI-2/4.2
- 141. Inspect voyage data recorder (when applicable) SOLAS 14 V/20