<table>
<thead>
<tr>
<th>Name of Vessel</th>
</tr>
</thead>
<tbody>
<tr>
<td>Official Number</td>
</tr>
<tr>
<td>Date Completed</td>
</tr>
<tr>
<td>SOLAS Certificates Issued</td>
</tr>
<tr>
<td>Yes</td>
</tr>
<tr>
<td>Route</td>
</tr>
<tr>
<td>Oceans</td>
</tr>
<tr>
<td>Coastwise</td>
</tr>
<tr>
<td>Inspection Type</td>
</tr>
<tr>
<td>Inspection for Certification (COI)</td>
</tr>
<tr>
<td>Drydock Inspection</td>
</tr>
</tbody>
</table>

Inspectors
1. ______________________ 2. ______________________
**DRUG & ALCOHOL PROGRAM CHECKLIST**

<table>
<thead>
<tr>
<th>Inspection Item</th>
<th>Applicable Regs.</th>
<th>Yes</th>
<th>No</th>
</tr>
</thead>
<tbody>
<tr>
<td>Do crew members know who the Designated Employee Representative (DER) is?</td>
<td>49 CFR 40.3</td>
<td>□</td>
<td>□</td>
</tr>
<tr>
<td>Is there a copy of the company’s policy or policy statement aboard?</td>
<td>46 CFR 16.401</td>
<td>□</td>
<td>□</td>
</tr>
<tr>
<td>Are crew members aware of where to obtain Employee Assistance information?</td>
<td>46 CFR 16.401</td>
<td>□</td>
<td>□</td>
</tr>
<tr>
<td>Has supervisory and general crew member drug awareness training been conducted?</td>
<td>46 CFR 16.401</td>
<td>□</td>
<td>□</td>
</tr>
<tr>
<td>Are Hotline Numbers posted in a common space?</td>
<td>46 CFR 16.401</td>
<td>□</td>
<td>□</td>
</tr>
<tr>
<td>Knowledge of where to go or how to get drug and alcohol testing accomplished in the event of a Serious Marine Incident (2hr testing for alcohol; 32 hr testing for drugs)</td>
<td>46 CFR 4.06</td>
<td>□</td>
<td>□</td>
</tr>
<tr>
<td>Are Alcohol Testing Devices kept onboard?</td>
<td>46 CFR 16.240</td>
<td>□</td>
<td>□</td>
</tr>
<tr>
<td>46 CFR 4.06</td>
<td>□</td>
<td>□</td>
<td></td>
</tr>
<tr>
<td>Were crew members pre-employment tested?</td>
<td>46 CFR 16.210</td>
<td>□</td>
<td>□</td>
</tr>
<tr>
<td>Have crew members been randomly tested this year?</td>
<td>46 CFR 16.230</td>
<td>□</td>
<td>□</td>
</tr>
</tbody>
</table>

**PROGRAM INFORMATION**

Name of Consortium/TPA: or

“Self–Run Program”

SMI Testing Facility

*Must Test Drugs & Alcohol* ________________________________________________

24hr SMI Testing Facility:

“Same As Above”

Drug & Alcohol Program Compliant?

□ Program Compliant

□ Program Not Compliant

□ _____ items corrected on-scene

□ Full Audit Recommended

□ 835 No-Sail issued

**Conversions:**

<table>
<thead>
<tr>
<th>Distance and Energy</th>
</tr>
</thead>
<tbody>
<tr>
<td>Kilotwatts (kW) X 1.341 = Horsepower (hp)</td>
</tr>
<tr>
<td>Feet (ft) X 3.281 = Meters (m)</td>
</tr>
<tr>
<td>Long Ton (LT) X .98421 = Metric Ton (t)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Liquid (NOTE: Values are approximate.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Liquid bbl/LT</td>
</tr>
<tr>
<td>Freshwater</td>
</tr>
<tr>
<td>Saltwater</td>
</tr>
<tr>
<td>Heavy Oil</td>
</tr>
<tr>
<td>DFM</td>
</tr>
<tr>
<td>Lube Oil</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 Long Ton = 2240 lbs</td>
</tr>
<tr>
<td>1 Short Ton = 2000 lbs</td>
</tr>
<tr>
<td>1 Metric Ton = 2204 lbs</td>
</tr>
<tr>
<td>1 Cubic Foot = 7.48 gal</td>
</tr>
<tr>
<td>1 Barrel (oil) = 5.61 ft = 42 gal = 6.29 m³</td>
</tr>
<tr>
<td>1 psi = .06895 Bar = 2.3106 ft³ of water</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Temperature: Fahrenheit = Celsius (°F = 9/5 °C + 32 and °C = 5/9 (°F – 32))</th>
</tr>
</thead>
<tbody>
<tr>
<td>0 = -17.8</td>
</tr>
<tr>
<td>32 = 0</td>
</tr>
<tr>
<td>40 = 4.4</td>
</tr>
<tr>
<td>50 = 10.0</td>
</tr>
<tr>
<td>60 = 15.6</td>
</tr>
<tr>
<td>70 = 21.1</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Pressure: Bars = Pounds per square inch</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 Bar = 14.5 psi</td>
</tr>
<tr>
<td>2 bars = 29.0 psi</td>
</tr>
<tr>
<td>3 Bars = 43.5 psi</td>
</tr>
<tr>
<td>4 Bars = 58.0 psi</td>
</tr>
<tr>
<td>5 Bars = 72.5 psi</td>
</tr>
<tr>
<td>6 Bars = 87.0 psi</td>
</tr>
<tr>
<td>7 Bars = 101.5 psi</td>
</tr>
<tr>
<td>8 Bars = 116.0 psi</td>
</tr>
</tbody>
</table>

9 Bars = 130.5 psi |
10 Bars = 145.0 psi
**Total Time Spent Per Activity:**

### Regular Personnel (Active Duty)

<table>
<thead>
<tr>
<th>ACTIVITY TYPE</th>
<th>ACTIVITY</th>
<th>TRAINING</th>
<th>(PERS) MI</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
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</tr>
</tbody>
</table>

**TOTAL ADMIN HOURS** **TOTAL TRAVEL HOURS**

### Reserve Personnel

<table>
<thead>
<tr>
<th>ACTIVITY TYPE</th>
<th>ACTIVITY</th>
<th>TRAINING</th>
<th>(PERS) MI</th>
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<tbody>
<tr>
<td></td>
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<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**TOTAL ADMIN HOURS** **TOTAL TRAVEL HOURS**

### Auxiliary Resources

<table>
<thead>
<tr>
<th>TOTAL BOAT HOURS</th>
<th>TOTAL AIRCRAFT HOURS</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Use of K-Boat Inspection Book:
This inspection book is intended to be used as a job aid by Coast Guard marine inspectors during inspections of U.S. flagged small passenger vessels subject to Subchapter K (vessels under 100 GT, carrying more than 150 passengers or more than 49 overnight passengers). The lists contained within this book are not intended to limit the inspection. Each marine inspector should determine the depth of inspection necessary. A checked box should be a running record of what has been inspected. It 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. References given are only general guides. Refer to IMO publications, CFRs, NVICs or any locally produced cite guides for specific regulatory references. Not all items in this book are applicable to all vessels.

NOTE: Guidance on how to conduct inspections of U.S. flagged small passenger vessels can be found in the Marine Safety Manual (MSM) Volume II, Chapter B1: Inspection of Vessels for Certification. All MSM cites listed in this book refer to MSM Volume II unless otherwise indicated.

Pre-inspection Items:
- Review MISLE records.
  - Vessel Critical Profile
  - COI
- Obtain copies of forms to be issued.

Post-inspection Items:
- Issue letters/certificates to vessel.
- Complete MISLE entries.
- Initiate Report of Violation (ROV) if necessary

Deficiency Summary Worksheet:

<table>
<thead>
<tr>
<th>Name of Vessel</th>
<th>VIN</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Deficiency</th>
<th>Req’t. Issued / Date Completed</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
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<td></td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

48
### Section 7: Appendices

#### Recommended US Vessel Deficiency Procedures:

<table>
<thead>
<tr>
<th>Step</th>
<th>Action</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Identify deficiency.</td>
</tr>
<tr>
<td>2</td>
<td>Inform vessel representative.</td>
</tr>
<tr>
<td>3</td>
<td>Record on the Deficiency Summary Worksheet (next page).</td>
</tr>
<tr>
<td>4</td>
<td>If deficiency is corrected prior to end of inspection, go to Step 7.</td>
</tr>
<tr>
<td>5</td>
<td>If deficiency is unable to be corrected prior to end of inspection, issue CG-835 in accordance with table below.</td>
</tr>
<tr>
<td>6</td>
<td>Enter CG-835 data in MISLE.</td>
</tr>
</tbody>
</table>

#### Table of Contents

<table>
<thead>
<tr>
<th>Section</th>
<th>Title</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Administrative Items</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Certificates and Documents</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>Inspection Items</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>Drills</td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>Drydock Inspection Items</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>Special Drydock Extension Underwater Survey</td>
<td></td>
</tr>
<tr>
<td>7</td>
<td>Appendices</td>
<td></td>
</tr>
</tbody>
</table>

#### Deficiency Summary Worksheet

**If deficiency:**

**Then issue CG-835:**

<table>
<thead>
<tr>
<th>Deficiency</th>
<th>Action</th>
</tr>
</thead>
<tbody>
<tr>
<td>Does NOT immediately impact crew/passenger safety, security, hull</td>
<td>That provides a specific time for correcting deficiency, e.g.,</td>
</tr>
<tr>
<td>seaworthiness, or the environment, e.g.,</td>
<td>• &quot;X&quot; number of days</td>
</tr>
<tr>
<td>• Missing placards</td>
<td>• At next drydock</td>
</tr>
<tr>
<td>• Non-metallic expansion joints more than 10 years in service</td>
<td></td>
</tr>
<tr>
<td>Allows vessel operations to be MODIFIED to meet less stringent requirements, e.g.,</td>
<td>That restricts operation of vessel to meet current vessel conditions, e.g.,</td>
</tr>
<tr>
<td>• Expired international certificates</td>
<td>• Reduced route</td>
</tr>
<tr>
<td>• Automation defect</td>
<td>• Increased crew</td>
</tr>
<tr>
<td>• Insufficient lifesaving equipment</td>
<td>• Fewer passengers</td>
</tr>
<tr>
<td>DOES immediately impact crew/passenger safety, security, hull</td>
<td>That requires the deficiency to be corrected prior to operating vessel</td>
</tr>
<tr>
<td>seaworthiness, or the environment, and cannot be modified to meet less stringent requirements, e.g.,</td>
<td>(*&quot;NO SAIL&quot; item), e.g.,</td>
</tr>
<tr>
<td>• Missing or defective firefighting equipment</td>
<td>• Prior to carrying passengers</td>
</tr>
<tr>
<td>• Structural defect or damage</td>
<td>• Prior to carrying cargo</td>
</tr>
</tbody>
</table>

### Table of Contents

<table>
<thead>
<tr>
<th>Section</th>
<th>Title</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Administrative Items</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Certificates and Documents</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>Inspection Items</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>Drills</td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>Drydock Inspection Items</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>Special Drydock Extension Underwater Survey</td>
<td></td>
</tr>
<tr>
<td>7</td>
<td>Appendices</td>
<td></td>
</tr>
</tbody>
</table>
### Section 1: Administrative Items

#### IMO Applicability Dates:

<table>
<thead>
<tr>
<th>Reference</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>SOLAS 1960</td>
<td>26 MAY 65</td>
</tr>
<tr>
<td>SOLAS 1974</td>
<td>25 MAY 80</td>
</tr>
<tr>
<td>1978 Protocol to SOLAS 1974</td>
<td>01 MAY 81</td>
</tr>
<tr>
<td>1981 Amendments (II-1 &amp; II-2)</td>
<td>01 SEP 84</td>
</tr>
<tr>
<td>1983 Amendments (III)</td>
<td>01 JUL 86</td>
</tr>
<tr>
<td><em>Various additional amendments to SOLAS</em></td>
<td></td>
</tr>
<tr>
<td>MARPOL 73/78 Annex I</td>
<td>02 OCT 83</td>
</tr>
<tr>
<td>MARPOL 73/78 Annex V</td>
<td>31 DEC 88</td>
</tr>
<tr>
<td>MARPOL 73/78 Annex VI</td>
<td>19 MAY 05</td>
</tr>
<tr>
<td>COLREGS 1972</td>
<td>15 JUL 77</td>
</tr>
<tr>
<td><em>Various additional amendments to COLREGS</em></td>
<td></td>
</tr>
<tr>
<td>Load Line 1966</td>
<td>21 JUL 68</td>
</tr>
<tr>
<td>STCW 1978</td>
<td>28 APR 84</td>
</tr>
<tr>
<td>1991 Amendments</td>
<td>01 DEC 92</td>
</tr>
<tr>
<td>1994 Amendments</td>
<td>01 JAN 96</td>
</tr>
<tr>
<td>1995 Amendments</td>
<td>01 FEB 97</td>
</tr>
</tbody>
</table>

- Hull Maintenance and Condition Assessment Program
  - Preventative maintenance plan
  - Annual hull condition assessment
- Preparatory meeting
- Duration of underwater survey: ____________
- Site selection
  - Sufficient water depth
  - Underwater hazards
  - "Clear box"
- Plans or drawings
  - Shell openings
  - Docking plugs
  - Bilge keels
  - Welded seams and butts
  - Appendages
  - Anodes
  - Rudder
  - Propeller
  - Reference points
  - Watertight and oiltight bulkheads

#### Underwater Survey:

- Preliminary examination
  - Third party
  - Divers
- Underwater hull exam
  - Third party supervised
  - Ultrasonic gaugings
- On-site survey

Notes: __________________________________________________________

_________________________________________________________________

_________________________________________________________________

_________________________________________________________________

_________________________________________________________________
Section 6: Special Drydock Extension Underwater Survey

NOTE: Drydock extensions of up to 30 months are available to steel or aluminum K-boats that operate on certain low-risk routes in fresh water. Guidance for conducting these surveys is found in MSM Vol. II/B3.A.4.d.

WARNING: ALL passengers must be removed from vessel prior to removal of sea valves.

Review of Application for Underwater Survey:

- Submitted 90 days before survey date
- Identify diving contractor
  - Number of divers
  - Type of diving equipment
  - NDT and repair capabilities
- Copy of diving operations manual
  - Means of waterborne diver support
- Means of taking rudder bearing clearances
- Sea chest blanks
- Letter from master/chief engineer/person-in-charge
- Diving personnel/equipment
  - NDT qualifications
  - Repair qualifications
  - Video / audio equipment
  - Coast Guard and OSHA safety regulations
- Hull preparation
  - Cleaning method
  - Hull openings permanently marked

Involved Parties & General Information:

Vessel’s Representatives

Phone Numbers

Owner—Listed on DOC (if applicable), or COFR

Operator

No Change

Notes: ______________________________________________________
_________________________ __________________________________________________________________
_________________________ __________________________________________________________________
_________________________ __________________________________________________________________
_________________________ __________________________________________________________________
_________________________ __________________________________________________________________

No Change
Company Security Officer

Vessel Security Officer

☐ No Change

Vessel Information:

<table>
<thead>
<tr>
<th>Last Drydocking Date</th>
<th>Next Drydocking Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Location of Last Drydocking</td>
<td></td>
</tr>
<tr>
<td>Built Date (use delivery date)</td>
<td></td>
</tr>
<tr>
<td>Overall Length (in feet)</td>
<td></td>
</tr>
<tr>
<td>Maximum Passengers Allowed</td>
<td></td>
</tr>
<tr>
<td>Overnight Accommodations</td>
<td>Yes</td>
</tr>
</tbody>
</table>

☐ Propeller(s) 46 CFR 115.610
- Locknuts
- Rope guard

☐ Tailshaft(s) 46 CFR 115.630
- Stern tube and gland
- Key and keyway
- Shaft sleeve or liner
- Struts and strut bearings

MSM Ch. B3.D.

Valves and Through-Hull Fittings:

NOTE: Guidance on valves and through-hull fittings can be found in MSM Volume II, Chapter 8.F.

☐ Sea chests, spool pieces, through-hull fittings 46 CFR 115.610
- Strainers removed
- Welds
- Strainer fastenings
- Fastenings
- Branch connections

☐ Sea valves 46 CFR 115.610
- Fitted where required
- Opened for examination
- Body
- Guides
- Threads
- Seat
- Stems
- Discs
- Plug cocks
- Holding down bolts
- Closure tested (local and/or remote)

Ground Tackle:

☐ Proper ground tackle 46 CFR 121.300
- Anchors
- Cables

Notes: __________________________________________________________
_________________________________________________________
_________________________________________________________
_________________________________________________________
**Watertight Integrity:**

*NOTE:* Guidance on watertight and weathertight inspections can be found in MSM Volume II, Chapter 6.F.5.

- **Hatches**
  - Dogs or other securing appliances
  - Covers
  - Gaskets
  - Coamings

- **Airports below weatherdecks**
  - Dogs or other securing appliances
  - Rims or seats
  - Glass
  - Dead covers
  - Hinges and lugs

- **Self-bailers and cockpit freeing ports**
  - Check valves
  - Required area

- **Compartment or inner bottom drains**
  - Secure plugs

- **Draft marks and load lines**
  - Proper locations
  - Legibly inscribed
  - Proper spacing and size
  - Load line markings verified (vessels ≥ 79 feet)

**Rudders, Propellers, and Tailshafts:**

- **Rudder(s)**
  - Skeg
  - Stock
  - Fastenings
  - Bushings

---

### Section 2: Certificates and Documents

<table>
<thead>
<tr>
<th>Name of Certificate</th>
<th>Certificate of Documentation</th>
<th>No Change</th>
<th>No Change</th>
<th>No Change</th>
<th>No Change</th>
</tr>
</thead>
<tbody>
<tr>
<td>Load Line</td>
<td>No Change</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>International Tonnage (ITC)</td>
<td>No Change</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Safety Management (SMC)</td>
<td>No Change</td>
<td></td>
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</tr>
<tr>
<td>Document of Compliance (DOC)</td>
<td>No Change</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>FCC Station License</td>
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<td></td>
<td></td>
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</tbody>
</table>

Notes:

- ————
- ————
- ————
- ————

---
<table>
<thead>
<tr>
<th>Endorse Date</th>
<th>Exp. Date</th>
<th>Issue Date</th>
<th>Port Issued</th>
<th>ID #</th>
<th>Issuing Agency</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>FCC</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th></th>
<th></th>
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<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>No Change</td>
<td>No Change</td>
<td>No Change</td>
<td>No Change</td>
<td>No Change</td>
<td>No Change</td>
</tr>
</tbody>
</table>

- Hull and/or structural members gauged for material thickness as needed
- Fastenings
  - Rivets
  - Welding
  - Nails, screws, bolts
  - Fastenings removed during this inspection
- Internal structural members
  - Bulkheads
  - Decks
  - Tank tops
  - Longitudinals
  - Floors
  - Frames
  - Intercostals
  - Stiffeners
  - Beams
  - Connections
  - Signs of electrolysis
- Vessel carefully examined for fractures and previous fracture repairs
- Forward peak
- Lazarette
- Solid fixed ballast

Notes: ____________________________________________________
_________________________________________________________
_________________________________________________________
_________________________________________________________
_________________________________________________________

46 CFR 115.610
NVIC 3-68
MSM Vol. IV Ch. 6.H
NVIC 7-95
46 CFR 115.610
NVIC 7-95
46 CFR 116.1200
Section 5: Drydock Inspection Items

Hull Structural Integrity:

- Vessel plans available (vessels with load lines) 46 CFR 115.612
- External structural members 46 CFR 115.610 NVIC 7-95
  - Plating
  - Planking
  - Caulking
  - Reinforcing straps
  - Stern
  - Transom
  - Bilge keels
  - Keel
  - Welds
  - Pitting
  - Signs of electrolysis

Overall Condition:

| Poor | Good |

Areas of particular interest: _____________________________________________________________
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Continuous Synopsis Record: (SOLAS Vessels only)
Review Record and Enter Most Current Data

<table>
<thead>
<tr>
<th>Flag State:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Date Registered:</td>
</tr>
<tr>
<td>Ship ID #:</td>
</tr>
<tr>
<td>Ship Name:</td>
</tr>
<tr>
<td>Port of Registry:</td>
</tr>
<tr>
<td>Registered Owners:</td>
</tr>
<tr>
<td>Company-as defined in SOLAS Chapter IX:</td>
</tr>
<tr>
<td>Issuer ISM DOC:</td>
</tr>
<tr>
<td>Issuer ISM SMC:</td>
</tr>
<tr>
<td>Issuer ISSC:</td>
</tr>
</tbody>
</table>
Certificates:
- COI posted
  - All pages visible
- Stability letter posted
- Small Passenger Vessel (SPV) decal posted
- Station bill posted
  (vessels > 65 feet with more than 4 crew members)
- Passenger safety bill posted
- Waste management plan
  (ocean-going vessels ≥ 40 feet)
- Red Cross first aid/CPR cards for 50% of crew
- Annual drug and alcohol program audit
- Liferaft servicing certificates
  - Annual service
- Fixed fire extinguisher servicing certificates
  - Annual service
- Required international safety convention certificates posted and valid

Manning Certification:
- Operator’s license
  - Name
  - Issue date
  - Tonnage
  - Route
- Mate’s license
  - Name
  - Issue date
  - Tonnage
  - Route
- Transportation Worker ID Credential (TWIC)
  - All MMC holders
  - All non-MMC holders with security duties or unrestricted access to restricted areas.

Security Drill:
- Observe security drill exercising the activation of the provisions in the VSP or ASP related to a security threat, breach, security communications, change of security level, or other security related incident or action as describe in the VSP or ASP.
- Drill selection and location shall be as directed by the Master and VSO.
- Critique Drill with VSO/CSO

Location: ____________________________
Notes: ______________________________

| Location: | ________________________________ |
| Notes: | ________________________________ |
Abandon Ship Drill:

- General alarms/signals
- Muster lists
- Muster of crew/passengers
- Crew response
- Language understood by crew
- Lifejackets

Familiarity with duties
Provide equipment
Familiarity with equipment
Lower lifeboat
Brake operation
Engine start

Boat release
Boat operation
Egress procedures
Davit-launched liferaft drill
Communication w/bridge
Lighting

(SOLAS 74/78 III/18.3; MSM Vol. II/D5.C.7.h)

Location: ______________________ Time to Water: _________

Notes: ____________________________________________________________

Logs and Manuals:

- Current training logbook
  - Date
  - General description of training

- Lifesaving equipment maintenance record
  - Periodic checks as required
  - Onboard training in use of lifesaving equipment (all crew members)
  - Visual inspection of survival craft / rescue boat and launching appliances
  - Operation of lifeboat/rescue boat engines
  - Lifesaving appliances, including lifeboat equipment examined

- Bridge log
  - Steering gear drills
  - Emergency steering drills
  - Monthly fire and lifeboat drills
  - Casualties (navigation equipment and steering gear failures reported)

- SOLAS training manual

- Verify VGP compliance
  - Master aware of the VGP (Provide master with copy of VGP fact sheet)
  - Record of Routine visual inspections
  - Record of annual inspections
  - Record of dry-dock inspection
  - Documentation of Corrective Action Assessments
  - Verify compliance with BWM
  - NOI submitted

Notes: ____________________________________________________________

__________________________________________________________________

__________________________________________________________________
Section 3: Inspection Items

Navigation Safety:

- Voyage plan
  (vessels on oceans/coastwise routes, vessels with overnight passengers) 46 CFR 122.503
- Passenger count
  (if voyage plan not required) 46 CFR 122.504
- Emergency instruction list posted 46 CFR 122.510
- Navigation publications 46 CFR 121.420
  - Current and corrected charts (large enough scale to navigate safely)
  - U.S. Coast Pilot
  - Coast Guard Light List
  - Tide tables
  - Tidal current tables
  - International Rules of the Road (SOLAS only)
- Navigation lights tested
  (vessels > 65 feet must meet UL 1104) 46 CFR 120.420
  - Side shields
    - Fitted as needed
    - Painted black matte 72 COLREGS
- Radar 46 CFR 121.404
- Magnetic compass
  (vessels on oceans/coastwise/limited coastwise routes) 46 CFR 121.402
  - Illuminated (unless limited to daytime operations)

Notes:

Section 4: Drills

Fire Drill:

<table>
<thead>
<tr>
<th>Initial notifications</th>
<th>Familiarity with duties</th>
<th>Space isolation</th>
</tr>
</thead>
<tbody>
<tr>
<td>General alarms/signals</td>
<td>Familiarity with equipment</td>
<td>Smoke control</td>
</tr>
<tr>
<td>Crew response</td>
<td>Fire pumps started</td>
<td>Arrange care of passengers</td>
</tr>
<tr>
<td>Properly dressed/equipped</td>
<td>Two jets of water</td>
<td>Communications w/bridge</td>
</tr>
<tr>
<td>Language understood by crew</td>
<td>Fire doors and dampers</td>
<td></td>
</tr>
</tbody>
</table>

(SOLAS 74/78 III/18.3; MSM Vol. II/D5.C.7.i; NVIC 6-91)

Location: __________________________  Time on Scene: ______

Notes: ______________________________________

______________________________________________

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Security measures for monitoring

- IAW VSP
- Lighting
- Test intrusion alarms
- Emergency search procedures

ASP Implemented in its entirety

Amendment and audit

- Users of ASP's are required under condition of ASP approval to conduct yearly audit and advise submitting organization if amendment is needed.
- CSO / VSO audit letter attached to VSP as required ISSC
- Audits conducted as required (annually or after vessel modifications)

Should an enforcement inspection reveal that an owner/operator has correctly implemented an approved ASP in its entirety but security vulnerabilities exist in the vessel operation, the COTP shall be advised. Under 33 CFR 104.415 (a) (ii) for vessels or 33 CFR 105.415 (a) (ii), the Coast Guard can determine that an amendment is necessary and advise the organization that submitted the ASP for approval accordingly. Following such notification, it will be necessary for the original submitting organization to provide their proposed amendment to the Commandant (CG-543) for review and approval. If the submitting organization does not wish to amend the ASP, the vessel owner must submit a VSP for the vessel to the MSC.

Signaling devices

- Sound
  - Whistle/horn tested
  - Proper bell size
- Distress
  - Flares and day smokes (correct number and expiration)
  - Stowed in brightly colored, portable watertight container
  - Marked "Distress Signals"
  - Substitutions with proper expiration date

<table>
<thead>
<tr>
<th>IF vessel travels:</th>
<th>THEN it must carry:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Oceans/coastwise/limited coastwise/Great Lakes route</td>
<td>6 red hand flares and 6 orange day smokes</td>
</tr>
<tr>
<td>Lakes, bays, sounds/rivers route</td>
<td>3 red hand flares and 3 orange day smokes</td>
</tr>
</tbody>
</table>

Internal communications tested

- A fixed means of two-way communication from
  - Operating station to machinery space (single screw vessels)
  - Operating station to auxiliary steering (single screw vessels)
  - Hand-held radios acceptable

Pilothouse control of propulsion engine systems

Voyage Data Recorder (VDR)

- Simplified (SVDR) if permitted

Long Range Identification & Tracking (LRIT)

- Conformance Test Report

Automatic Identification System (AIS)

Notes: ____________________________________________________
_________________________________________________________   _________________________________________________________
_________________________________________________________   _________________________________________________________

Notes: ____________________________________________________
_________________________________________________________   _________________________________________________________
_________________________________________________________   _________________________________________________________
Radio equipment

<table>
<thead>
<tr>
<th>IF vessel travels:</th>
<th>THEN it must have:</th>
</tr>
</thead>
<tbody>
<tr>
<td>More than 1000 feet from shore but less than 20 NM</td>
<td>1 VHF</td>
</tr>
<tr>
<td>20 NM to 100 NM</td>
<td>1 VHF and 1 MF</td>
</tr>
<tr>
<td>100 NM to 200 NM</td>
<td>1 VHF, 1 MF, 1 SSB or INMARSAT radio, and 1 NAVTEX receiver</td>
</tr>
<tr>
<td>More than 200 NM</td>
<td>2 VHF, 1 MF, 1 SSB or INMARSAT radio, 1 NAVTEX receiver, 1 distress frequency receiver, and 1 automatic radiotelephone alarm signal generator</td>
</tr>
</tbody>
</table>

Emergency broadcast placard posted

Electronic position fixing device (vessels on oceans routes only)

EPIRB (406 MHz) tested
- Float-free arrangement
- Battery expiration date
- HRU/Hydro expiration date
- NOAA registered
- Tests logged
- Marked with vessel name

Public address system tested

<table>
<thead>
<tr>
<th>IF vessel is:</th>
<th>THEN vessel must have:</th>
</tr>
</thead>
<tbody>
<tr>
<td>&gt; 65 feet</td>
<td>Fixed installation</td>
</tr>
<tr>
<td>≤ 65 feet</td>
<td>Battery bullhorn</td>
</tr>
<tr>
<td>Has more than one passenger deck or has overnight accommodations</td>
<td>A PA system that is operable from the operating station</td>
</tr>
</tbody>
</table>

9 GHz radar transponder (SART) (SOLAS Only)
- SOLAS only
- Passenger vessels require 2
- Stowed so to be rapidly placed in survival craft or stowed in survival craft

NAVTEX

Security systems and equipment maintenance
- Testing completed IAW manufacturer’s recommendations
- Working properly, effectively functions IAW VSP.
- Ship Security Alert System (SSAS)

Security measures for access control
- Access points examined – signs posted in conspicuous locations.
- Control areas for authorized dangerous substances / devices
- Means of identifying unauthorized personnel
- TWIC for unescorted access to secure areas

Security measures for newly hired employees (Pending receipt of TWIC)
- Access permitted for up to 30 days if:
  - Has applied for TWIC
  - Accompanied by TWIC holder in secure areas
  - Operator enters new hire personal info in HOMEPORT
  - Notified via HOMEPORT that new hire has passed initial name check.
- Provision does not apply to CSO, VSO or individual hired to perform security duties

Security measures for restricted areas
- Secure areas protected
- Properly marked
- Control measures adequate
- Do not conflict with safety measures

Security measures for handling cargo
- Identifying cargo tamper
- Identifying approved cargo
- Access point – inventory control
- Checking cargo for dangerous substances

Security measures for delivery of vessel stores and bunker
- Security procedures followed
- Standing agreements valid
Vessel Record Keeping Requirements

- Training
- Drills and exercises
- Breaches of security
- Change in MARSEC levels
- Maintenance, calibration, and testing of security equipment.
- Security threats
- Annual audit of the VSP
- Declaration of Security (DoS)
- Retained for Two years

MARSEC level coordination and implementation

- Proper MARSEC level
- MARSEC level at least at current port level

Communications

- Vessel security personnel
- Facility
- National and local authorities
- Demonstrate communications operations consistent with the ASP

Declaration of Security (DoS)

- Required for cruise ships or manned CDC bulk vessels and any vessel or facilities with which it interfaces.
- Valid (for MARSEC level and effective time period)
  Must have last 10 or continuous DoS reviewed at interval consistent with MARSEC level.
- Signed

Notes: ____________________________________________________
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Bridge windows

- Safety glass
- Adequate strength
- Allow 70% light/safety glass

Structural Integrity:

External hull structure

- Decks
- Shell
- Bulkheads
- Strength members
- Visible damage
- Obvious repairs, modifications, or alterations
- Rails/guards

Hull markings

- Draft marks and loading marks
- Name/hailing port

Internal compartment structures

- Dry
- Visible damage
- Obvious repairs, modifications, or alterations
- Means of escape
- Ceilings
- Inspection ports/ventilation
- Rails/guards

Structural fire protection boundaries

- Bulkheads and decks meet required rating
- Penetrations equal to bulkhead rating
- Main vertical zones
- Draft stops

Notes: ____________________________________________________
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- Decks
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Notes: ____________________________________________________
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Notes: ____________________________________________________
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Notes: ____________________________________________________
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Noncombustible trim
- Ceilings
- Interior finish
- Decorations
- Reasonable paint coatings

Fire-resistant furnishings
- Furniture meets UL Std. 1056
- Draperies and curtains meet NFPA Std. 701
- Rugs and carpet meet ASTM E-84 or E-648

Fire loads
- Low-risk areas < 3 pounds/square feet
- High-risk areas < 7.5 pounds/square feet

Windows in fire control boundaries
- Laminated glass
- Steel frames

Fire doors
- A-0 bulkhead = A-0 door
- Self-closing (stairtower and MVZ)
- Operable from either side

Stairtowers
- Rails
- Obstructions

Balconies
- Automatic sprinkler system
- Each level with two means of escape

Atriums
- Smoke detection system (vessels with overnight passengers)
- Smoke extraction system
- Automatic sprinkler system
- Each level with two means of escape

Name of approved ASP

Compliance Documentation
- Copy of ASP aboard vessel
- Vessel Specific Security Assessment (VSA) completed
- Letter to MSC stating use of approved ASP and that it has been fully implemented

Master
- Aware of responsibility and authority with regards to MTSA

Company Security Officer (CSO)
- Training / experience
- Valid TWIC
- See list of example questions

Vessel Security Officer (VSO)
- Training / experience
- Valid TWIC
- See list of example questions

Company or vessel personnel with security duties
- Training / experience
- Valid TWIC
- See list of example questions

Security Training for all other vessel personnel

Notes:
**Alternative Security Program (ASP):**

Vessels operating under the auspices of an approved ASP are required to address the relevant areas cited in 33 CFR parts 104. However, the ASP provision of the rule has provided a mechanism by which segments of the maritime industry, through application by the industry associations or other representative groups, are able to tailor their program to the unique functions inherent of their specific operations. The result is a set of relevant, performance-based security measures for the industry groups choosing to utilize an approved ASP. For this reason, the inspector of a vessel using an approved ASP may find that certain language or security measures contained in some parts of the rule will differ from the language or security measures listed in the ASP. Additionally, an industry or group may determine that a section of the regulations is not applicable to their operations. For example, a passenger vessel group may state in their ASP that they do not need to address 33 CFR 104.275 or 33 CFR 105.265, respectively – security measures for handling cargo – because they do not handle cargo of any type.

In those cases where both the vessels and the facilities serving those vessels are owned and/or operated by the same entity, an alternative plan may recognize that the same party is responsible for security in both areas and approve an approach that addresses vulnerabilities and mitigation strategies for the vessels and the facility under one ASP. Therefore, the inspector will not be using separate plans for the vessels and the facility to determine compliance and, likewise, will not see some citations addressed in the plan if they are redundant between 33 CFR 104 and 33 CFR 105.

**Watertight integrity**
- Subdivision watertight bulkheads
- Watertight doors/hatches
  - Operable from both sides
  - Captive devices attached to all unhinged covers
  - Coamings (6 inches-exposed routes; 3 inches-protected routes)
  - Knife edges
  - Gaskets
  - Hardware
- Closure means for openings in hull (local and remote)

**Scuppers/freeing ports**

**Dead light covers on port lights below main deck**

**Deck rail**
- Height requirements (39.5 inches minimum)
- Point load requirements (200 lbs. minimum)

**General Health and Safety:**

**General alarm tested**

**Upper decks marked for maximum number of passengers per stability letter**

**Crew accommodations**
(vessels > 65 feet with > 49 overnight accommodations must comply with applicable Subchapter H requirements)
- Adequate berthing
- Sanitary conditions

**Passenger accommodations**
- Adequate berthing
- Adequate seating
- Sanitary conditions

Notes: _________________________________________________________
_________________________________________________________
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Emergency evacuation plan
- Describe actions for fires and flooding
- Evacuating procedures
- Refuge area (3 square feet/person)
- Show two means of escape from each space
- Abandon ship plan

Means of escape
- Operable from both sides
- Marked "Emergency Exit, Keep Clear"

Embarkation stations
- Handholds
- Well-illuminated
- Handrails and lifelines with openings to allow passengers to board survival craft

Cooking and heating systems
- LPG/CNG stowage
- Shutoff valves installed on gas systems
- Sea rails installed on galley stoves

Sanitary inspection
- Galley
- Serving pantries
- Lockers

Ventilation
- Remote shutdown

Passenger Safety Orientation
- Public announcement
- Card or pamphlet

Crew and passenger list

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Security measures for monitoring
- IAW VSP
- Lighting
- Test intrusion alarms
- Emergency search procedures

Security Incident Procedures
- Witness during drill

Additional requirements for passenger vessels or ferries

Additional requirements for cruise ships

Additional requirements – vessels on international voyages
- ISSC issued
- CSR updated

Vessel Security Assessment Report
- Reviewed and attached to VSP

Vessel Security Plan
- Reviewed

Amendment and audit
- CSO / VSO audit letter attached to VSP as required ISSC
- Audits conducted as required (annually or after vessel modifications)

Ship Security Alert System (vessels subject to SOLAS only)
- On the bridge and one other location
- Designed to prevent inadvertent activation
- Covert (unmarked, silent, and need to know)
- Tested IAW VSP

Ground Tackle:
- Proper ground tackle

<table>
<thead>
<tr>
<th>Number of Anchors</th>
<th>Weight (lbs.)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Number of Cables</th>
<th>Length</th>
<th>Size</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
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</tbody>
</table>

- Mooring lines
- Sails and rigging

Lifesaving Equipment:
- Stowage of survival craft
- Embarkation aids
- Number and type of survival craft

<table>
<thead>
<tr>
<th>Item</th>
<th>Number</th>
<th>Capacity (Persons)</th>
</tr>
</thead>
<tbody>
<tr>
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</table>

Notes: ____________________________________________________
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Lifefloats and buoyant apparatus
- Coast Guard approval
- Lifeline
- Pendants
- Two paddles per lifefloat
  - 4 feet in length
  - Marked with vessel name
- Waterlight with proper battery
  - Properly mounted, secure splices
  - Watertight globe
  - Float-free
- Marked with vessel name
- Stowage
- Properly sized and approved weak link
- Sea painter
- Retro-reflective tape

Inflatables buoyant apparatus
- Annual service

Inflatable liferafts
- Capacity of 6 or more persons
- Stowage
  - Float-free
- Annual service
- Float-free
- Marked with vessel name

Inflatable survival craft placards posted
- Annual service

Rescue boats/rescue platforms (vessels > 65 feet)
- Marked with vessel name
- Capacity
- Retro-reflective tape
- Small, lightweight with floatation
- Readily launched, easily maneuvered
- Capable of recovering person without capsizing

Security systems and equipment maintenance
- Testing completed IAW manufacturer’s recommendations
- Working properly, effectively functions IAW VSP.
- Ship Security Alert System (SSAS)

Security measures for access control
- Access points examined – signs posted in conspicuous locations.
- Control areas for authorized dangerous substances / devices
- Means of identifying unauthorized personnel
- TWIC for unescorted access to secure areas

Security measures for newly hired employees (Pending receipt of TWIC)
- Access permitted for up to 30 days if:
  - Has applied for TWIC
  - Accompanied by TWIC holder in secure areas
  - Operator enters new hire personal info in HOMEPORT
  - Notified via HOMEPORT that new hire has passed initial name check.
- Provision does not apply to CSO, VSO or individual hired to perform security duties

Security measures for restricted areas
- Secure areas protected
- Properly marked
- Control measures adequate
- Do not conflict with safety measures

Security measures for handling cargo
- Identifying cargo tamper
- Identifying approved cargo
- Access point – inventory control
- Checking cargo for dangerous substances

Security measures for delivery of vessel stores and bunker
- Security procedures followed
- Standing agreements valid
Company or vessel personnel with security duties

- Training / experience
- Valid TWIC
- See list of example questions

Security Training for all other vessel personnel

- Training / experience
- Valid TWIC
- See list of example questions

Vessel Record Keeping Requirements

- Training
- Drills and exercises
- Breaches of security
- Change in MARSEC levels
- Maintenance, calibration, and testing of security equipment.
- Security threats
- Annual audit of the VSP
- Declaration of Security (DoS)
- Retained for Two years

MARSEC level coordination and implementation

- Proper MARSEC level
- MARSEC level at least at current port level

Communications

- Vessel security personnel
- Facility
- National and local authorities
- Demonstrate communications operations consistent with the VSP

Declaration of Security (DoS)

- Required for cruise ships or manned CDC bulk vessels and any vessel or facilities with which it interfaces.
- Valid (for MARSEC level and effective time period)
  Must have last 10 or continuous DoS reviewed at interval consistent with MARSEC level.
- Signed

Survival craft maintenance

(vessels > 65 feet)

- Manufacturer’s instructions on board
- Inspections/examinations logged
- Weekly/monthly/quarterly/annually inspected/ examined

Lifejackets

- Adult ____________  Children ______ (10%) Retained for Two years
- Retro-reflective tape
- Lights (vessels on oceans/coastwise/Great Lakes routes)
  - Watertight
  - Batteries dated or changed annually
- Marked with vessel name
- Stowage
  - Marked
  - Child size PFDs separate from adult PFDs
  - Unlocked
  - If over 7 feet high, check quick release mechanism
  - PFDs carried in addition to lifejackets
- Number of lifejackets rejected by inspector

Lifejacket donning placards posted

Ring lifebuoys

- Orange if vessel on oceans/coastwise
- Lifeline (60 feet long)
- Waterlight with 3-foot lanyard and corrosion-resistant clip
- Retro-reflective tape
- Marked with vessel name
- Stowage (not permanently secured) NVIC 1-87
- Vessels < 26 feet may carry 20-inch ring

<table>
<thead>
<tr>
<th>Number with Lights</th>
<th>Number with Lines</th>
<th>Number of Others</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
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<td></td>
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</tbody>
</table>

Total Number of Ring Lifebuoys

Notes: ____________________________________________________
________________________________________________________
________________________________________________________
________________________________________________________
First aid kit visible and readily available to the crew and properly marked "First Aid Kit."  
46 CFR 121.710  
46 CFR 160.041

Fire Protection:

Fire control plan  
- Permanently posted  
- Copy permanently stored in weathertight container outside deckhouse  
46 CFR 116.530

Fire and smoke detection systems (required on existing wood/FRP vessels)  
- Sensors tested  
- Alarms tested  
46 CFR 118.115  
46 CFR 118.400(c)  
46 CFR 118.400(e)

Portable and semiportable fire extinguishers  
- Annual service in accordance with NFPA 10  
  - Date cylinders hydro-tested  
- Proper location  
46 CFR 118.500  
46 CFR 118.520

Fixed firefighting for galley vent hood system  
46 CFR 118.400(d)  
46 CFR 118.425

MTSA/ISPS Compliance

Vessel Security Plans (VSP):  
(If using ASP, skip to next section)

Compliance documentation  
- Approved Vessel Security Plan  
33 CFR 104.120  
ISPS, Part A, 9.1

Waiver  
- Approved by CG-543  
33 CFR 104.130

Equivalents  
- Approved by CG-543  
33 CFR 104.135

Maritime Security (MARSEC) directive  
- Proper safeguards  
- Incorporated into VSP  
33 CFR 104.145

Master  
- Aware of responsibility and authority with regards to MTSA  
33 CFR 104.205

Company Security Officer (CSO)  
- Training / experience  
- Valid TWIC  
- See list of example questions  
33 CFR 104.210  
ISPS, Part A, 11

Vessel Security Officer (VSO)  
- Training / experience  
- Valid TWIC  
- See list of example questions  
33 CFR 104.215  
ISPS, Part A, 12

Notes: ____________________________________________________
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Emergency lighting tested
- Type ________________________________
- Automatically activated
- Not portable
- Connected to battery charger
- Operating capacity—2 hours
- Emergency lighting system that complies w/Sub J (vessels > 65 feet that either carry > 600 passengers or have overnight accommodations for > 49 passengers)

Pollution Prevention:
- Pollution placard posted 33 CFR 155.450
- MARPOL V placard posted 33 CFR 151.59
- Bilges free of oil and trash/debris 46 CFR 115.830

MARPOL VI Compliance
- NOx Requirements
  - EPA engine emission stds - for vessels on international voyages; 40 CFR 94 or 1042
  - EIAPP Cert. issued by the EPA for vessels on international voyages
  - IAPP Cert.
    - Fuel and SOx Requirements
    - Incinerator 46 CFR 63.25-9
    - Ozone Depleting Substance 46 CFR 63.25-9

Marine sanitation device
- Type ________________________________ 46 CFR 115.818
- Sanitary
- Discharge valve secured and locked
- Tank vent 30 x 30 mesh screen
- ¾-full level indicator 33 CFR 159.83
- Manual ventilation closures on protected spaces

Verify VGP compliance.
- Is the state of deck and work areas housekeeping adequate?
- Deck is free of clutter, garbage, fuel/oil spills?
- Are spill rails and drip pans in place and utilized?

Fixed fire extinguishing systems 46 CFR 115.810(a)(2)
- Annual service 46 CFR 115.810(b)(2)
  - Date cylinders weighed 46 CFR 118.400
  - Date cylinders hydro-tested 46 CFR 118.410
- Sprinklers tested in vehicle spaces
- Alarms
  - Engine/power ventilation shutdowns tested (engine shutdown not required on existing vessels with CO₂, BUT is required with Halon) 46 CFR 119.465(h) NVIC 6-72
- Manual ventilation closures on protected spaces
- Instructions at controls and in space 46 CFR 122.612
- Piping
- Valves
- Controls

Spaces Protected

<table>
<thead>
<tr>
<th>Spaces Protected</th>
<th>Agent</th>
<th>Capacity</th>
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</table>

Fire main system and stations 46 CFR 115.810(a)(3)
- Fire main system tested 46 CFR 118.310
  - Piping
  - Valves
  - Fittings
- Number hose stations required 46 CFR 115.810(c)
- Fire hose
  - Minimum 5/8-inch hose and nozzle 25-50 feet in length 46 CFR 118.320
  - 1.5-inch hose and nozzle (required for vessels > 65 feet and vessels carrying > 49 passengers)
  - Nozzles and spanners

Marine sanitation device
- Type ________________________________ 46 CFR 115.818
- Sanitary
- Discharge valve secured and locked
- Tank vent 30 x 30 mesh screen
- ¾-full level indicator 33 CFR 159.83
- Manual ventilation closures on protected spaces

Verify VGP compliance.
- Is the state of deck and work areas housekeeping adequate?
- Deck is free of clutter, garbage, fuel/oil spills?
- Are spill rails and drip pans in place and utilized?

Notes: ____________________________________________________  
_________________________________________________________   _________________________________________________________  
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Number of Hoses Required

<table>
<thead>
<tr>
<th>Number of Hoses Required</th>
<th>Number of Hoses On Board</th>
<th>Diameter of Each Hose</th>
<th>Length of Each Hose</th>
</tr>
</thead>
<tbody>
<tr>
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Notes: ____________________________________________________  
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VGP Parts 2.1 and 2.2.1
Fire axe
(vessels > 65 feet)
- Located in or near primary operating station

Fire pumps tested
- Piping
- Manifold and valves
- Witness water stream

Machinery:
Main steering system tested
- Type
- Rudder packing
- Hoses
- Tubing
- Piping
- Tiller arms and connectors double-nutted / cotter pinned

Auxiliary steering system (if required)
operable
- Type

Main propulsion engine tested
- Capable of being secure from pilothouse
  - Independent of speed control
- Foundations
- Controls
- Gauges
  - Engine RPM/oil pressure/water temperature operational and visible at each operating station
- Safety devices
- Lubrication system
  - Oil/water leaks
- Engine room
  - Clean and free of fire hazards

Switchboards and distribution panels
- Circuits and electrical equipment marked and identified
  - Warning sign for multiple power sources
- Protective covering
- Dripshield
- Overcurrent protection

Radios fused at main panel

Cable, wiring, receptacles, outlets, accessories
- Installation
  - Wire type
  - Wire size
  - Splices
  - Connectors
  - Metal wire supports every 24 inches (not required on existing vessels)
- Grounding
- Overcurrent protection

Miscellaneous motors and controllers
- Proper location
- Grounding

Lighting fixtures
- Suitable guards
- Properly secured

Portable lighting
- At least two lights
  - One at operating station
  - One at entrance to propulsion / machinery space

Notes:
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**Electrical Equipment:**

- Primary power and light system tested
  - Voltage
  - Electrical source
  - Generator
  - Battery
  - Grounding

- Main engine generators
- Independent generators
  - Multiple generators
    - Independent prime movers
    - Circuit breakers interlocked
    - Parallel operation must meet Subchapter J

- Batteries (and alternator, if required)
  - Overload protection
  - Ventilation
  - Protective covering
  - Battery charger with ammeter connected to charging circuit
  - Cable connectors permanent
  - Corrosion-resistant tray or mounting

```
<table>
<thead>
<tr>
<th>Service</th>
<th>Location</th>
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**Cooling system**

- Type of engine cooling system
- Temperature gauges (operating station)
- Installation

**Exhaust system**

- Type of exhaust cooling system
- Loss of cooling alarm on vessel with wet exhaust (vessels with a separate exhaust cooling pump must have a loss of cooling alarm)
  - Visible / audible
  - Located at operating station

- Leaks
  - Seams
  - Elbows
  - Joints
  - Flexible hoses

**Fuel system**

- Tank space properly vented
  - > 500 cubic feet = gooseneck > 2.5 inches
  - < 500 cubic feet = gooseneck > 1.5 inches

- Fuel tank vents
  - Vent openings not located adjacent to possible sources of vapor ignition
  - 30 x 30 mesh screen

- Independent fuel tanks grounded
  - Electrically bonded to a common ground

- Portable fuel tanks
  - Stowed on deck in racks
  - "No Smoking" placards posted

- Shutoff valves tested (tank and engines)
  - Located at the ends of each fuel line
  - If tank end not located outside of tank space, handle must be within 12-inch reach and shielded

- Fuel strainers
- Solid bottom type petcocks with tapered plugs and union bonnets

- Fuel tank fill hose
  - Top flange grounded to tank
  - Flexible hoses

- Termination of filling, sounding or vent pipes outside vessel

Notes: ____________________________________________________
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Notes: ____________________________________________________
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Ventilation of machinery installations

- Engine room intake and exhaust ventilation
  - Closure devices for spaces with fixed gas extinguishing system
  - Ducts secured and supported

<table>
<thead>
<tr>
<th>Ventilators</th>
<th>Number and Type</th>
</tr>
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<tbody>
<tr>
<td></td>
<td>Natural</td>
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<tr>
<td>Machinery Space</td>
<td></td>
</tr>
<tr>
<td>Fuel Tank Space</td>
<td></td>
</tr>
</tbody>
</table>

Machinery guards

- Installed over exposed gears
- Belts
- Rotating machinery

Vital systems piping

Non-metallic piping materials

Watertight bulkheads

- Piping
  - Metallic through fittings
- Valves
  - Valve with reach rod
  - Free of sluice valves
  - Operable

Shaft log free of excess leakage

- Reasonable dripping
- Testing ahead and astern
- Remaining adjustment on stuffing box bolts

Notes:

Bilge pumps tested

- Source of power for each pump
- Overboard discharge
- Visual indicator for auto bilge pump operation

Portable bilge pump tested
(vessels < 65 feet)

- Suction capable of reaching the bottom of all compartments

Bilge piping

- Check valves in each compartment or stop / check valves at manifold
- Valve fitted on collision bulkhead
  - Screw down valve type
  - Operable from weatherdeck if forward; readily accessible if aft

Bilge high level alarm

- Visible/audible
- Located at operating stations

Deck machinery

- Windlass
- Winches
- Capstans
- Controls
- Guards

Pressure vessels required to be periodically tested

- Inspected every 3 years

<table>
<thead>
<tr>
<th>Service</th>
<th>Working Pressure</th>
<th>Relief Valve Setting</th>
<th>Date Tested or Examined</th>
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Notes: