

United States Coast Guard



**Small Passenger Vessel (K) 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 “K” (K-boat) Job Aid:

This Job Aid is intended for use by qualified Coast Guard K-boat Marine Inspectors for use on U.S. flagged K-boats inspections on vessels regulated under Subchapter K. For K-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 K-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

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 (<i>NOTE: Values are approximate.</i>)				
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 ($^{\circ}\text{F} = 9/5\ ^{\circ}\text{C} + 32$ and $^{\circ}\text{C} = 5/9 (^{\circ}\text{F} - 32)$)				
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	250	= 121.1
300	=	148.9	400	= 204.4
500	=	260	1000	= 537.8
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
9 Bars	=	130.5 psi	10 Bars	= 145.0 psi

Table of Contents:

Administrative Items

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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

Certificates and Documents

Name of Certificate	Issuing Agency	ID #	Port Issued/ Country	Issue Date	Exp. Date	Endors. Date
Certificate of Documentation <input type="checkbox"/> No Change	USCG					
Passenger Ship Safety Certificate <input type="checkbox"/> No Change	USCG					
FCC Station License <input type="checkbox"/> No Change	FCC					
FCC Safety Certificate <input type="checkbox"/> No Change	FCC					
FCC Marine Operator's Permit <input type="checkbox"/> No Change	FCC					
International Load Line (ILLC) <input type="checkbox"/> No Change						

Name of Certificate	Issuing Agency	ID #	Port Issued/ Country	Issue Date	Exp. Date	Endors. Date
International Tonnage (ITC) <input type="checkbox"/> No Change						
ISM Document of Compliance (DOC) <input type="checkbox"/> No Change						
ISM Safety Management (SMC) <input type="checkbox"/> No Change						
International Ship Security Certificate (ISSC) <input type="checkbox"/> No Change						
International Air Pollution Prevention (IAPP) <input type="checkbox"/> No Change						
Engine International Air Pollution Prevention (EIAPP) <input type="checkbox"/> No Change						

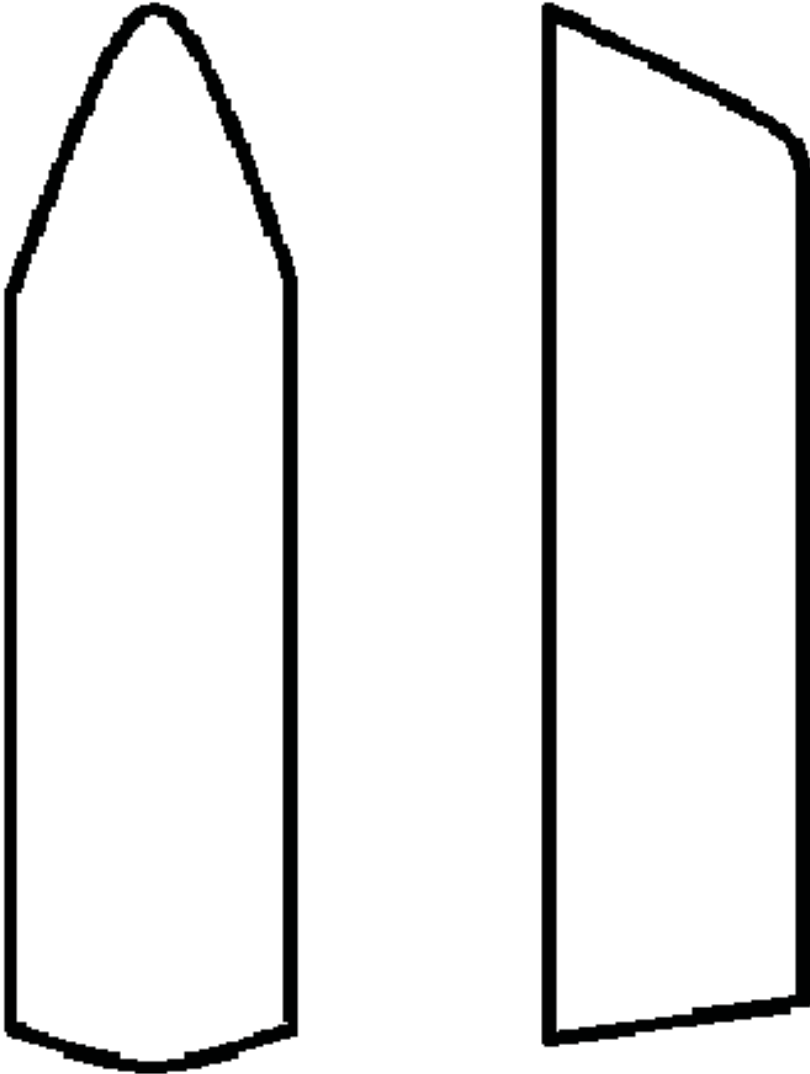
5

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
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6	Enter CG-835 data in MISLE								

Appendices

Vessel Layout:



Certificate of Inspection (COI)

- | | | |
|--------------------------|--|---|
| <input type="checkbox"/> | 1. Research vessel details in MISLE (Marine Information for Safety and Law Enforcement) database | MSM I/12.G.5 |
| <input type="checkbox"/> | 2. Coordinate inspection with vessel's representative | MPS-PR-SEC-01 |
| <input type="checkbox"/> | 3. Mitigate potential hazards encountered during an inspection | NFPA 306
29 CFR 1915.4 |
| <input type="checkbox"/> | 4. Conduct initial vessel visual examination | 46 CFR 121.300 |
| <input type="checkbox"/> | 5. Examine Vessel Security Plan (VSP/ASP) | 33 CFR 104.120(a)(1)
SOLAS 14 XI-2/4.2 |
| <input type="checkbox"/> | 6. Examine security records | 33 CFR 104.235(b)(1)
SOLAS 14 XI-2/4.2 |
| <input type="checkbox"/> | 7. Inspect security equipment | 33 CFR 104.292(b)(ii)
SOLAS 14 XI-2/6 |
| <input type="checkbox"/> | 8. Evaluate crew's knowledge of security plan | 33 CFR 104.200(b)(2)
SOLAS 14 XI-2/4.2 |
| <input type="checkbox"/> | 9. Review Certificate of Inspection (COI) | 46 CFR 115.302 |
| <input type="checkbox"/> | 10. Verify vessel's stability letter | 46 CFR 117.210
46 CFR 117.220 |
| <input type="checkbox"/> | 11. Review Merchant Mariner Credentials (MMCs) | 46 CFR 15.515
46 CFR 10.205(g) |
| <input type="checkbox"/> | 12. Verify compliance with drug and alcohol program | 46 CFR 16.401 |
| <input type="checkbox"/> | 13. Examine maintenance and service records (liferrafts & firefighting) | 46 CFR 115.810 |
| <input type="checkbox"/> | 14. Verify compliance with the Vessel General Permit (VGP) (when applicable) | VGP 1.5.1.1 & 10
VGP Table 1 |
| <input type="checkbox"/> | 15. Examine muster lists and emergency instructions | 46 CFR 122.510
46 CFR 122.512 |
| <input type="checkbox"/> | 16. Review Certificate of Documentation (COD) (When applicable) | 46 CFR 67.313 |
| <input type="checkbox"/> | 17. Examine Federal Communications Commission Marine Radio Operator Permit (when applicable) | 47 CFR 80.159(e) |
| <input type="checkbox"/> | 18. Review Federal Communications Commission Bridge-to-Bridge Certificate (when applicable) | 47 CFR 80.1001 |
| <input type="checkbox"/> | 19. Review Federal Communications Commission Station License (when applicable) | 47 CFR 80.13 |
| <input type="checkbox"/> | 20. Review Federal Communications Commission Safety Radiotelephony Certificate (when applicable) | 47 CFR 80.59 (a)(2)
47 CFR 80.901 |
| <input type="checkbox"/> | 21. Review vessel's log | 46 CFR 122.728 |
| <input type="checkbox"/> | 22. Examine Waste/Garbage Management Plan (when applicable) | 33 CFR 151.57
MARPOL V/9.2 |

- 23. Verify operations of internal communication and control systems 46 CFR 121.602
- 24. Inspect radar(s) (when applicable) Operation Manual
- 25. Inspect magnetic compass (when applicable) 46 CFR 121.402(c)
- 26. Inspect electronic position-fixing device (satellite navigation (GPS) receiver) (when applicable) 46 CFR 121.410
- 27. Verify radio telephone equipment (when applicable) 46 CFR 121.502
47 CFR 80.1003
- 28. Inspect navigation and signaling lights, and dayshapes 33 CFR 83.20(b)
COLREG Rule 20
- 29. Inspect sound signaling devices 33 CFR 83.33
COLREG Rule 33
- 30. Verify navigational publications and nautical charts 46 CFR 121.420
- 31. Inspect steering system controls at operating station 46 CFR 119.610(a)
46 CFR 119.610(b) & (c)
- 32. Inspect alarms and gauges at operating station 46 CFR 119.530(a)
46 CFR 119.530(b)
- 33. Inspect accommodations 46 CFR 116.800
- 34. Inspect means of escape from accommodation, machinery and other spaces 46 CFR 116.500
- 35. Inspect mess deck and galley spaces 46 CFR 115.818
- 36. Inspect paint locker(s) (when applicable) 46 CFR 118.400(a)(7)
- 37. Inspect Emergency Position Indicating Radio Beacon (EPIRB) (when applicable) 46 CFR 117.64
47 CFR 80.1061(e)
- 38. Inspect distress signals (when applicable) 46 CFR 117.68
- 39. Inspect life jackets 46 CFR 117.71(c)
46 CFR 117.25(a)
- 40. Inspect life buoys 46 CFR 117.70(b)(1)
46 CFR 160.050
- 41. Inspect inflatable liferaft & inflatable buoyant apparatus installations (when applicable) 46 CFR 117.200(a)(1)
- 42. Inspect lifefloat installations (when applicable) 46 CFR 117.200(a)(2)
- 43. Inspect rescue boat (when applicable) 46 CFR 117.210
46 CFR 160.056
- 44. Inspect launching appliance(s) (when applicable) 46 CFR 117.130(c)
46 CFR 117.150(c)
- 45. Inspect buoyant apparatus (when applicable) 46 CFR 117.15(b)
46 CFR 117.200(a)(4)
- 46. Inspect fire main and pump (when applicable) 46 CFR 118.300(b) & (c)
- 47. Inspect fire stations 46 CFR 118.310(a)

- 25. Evaluate crew's knowledge of security plan 33 CFR 104.200(b)(2)
SOLAS 14 Reg XI-2/4.2
- 26. Inspect voyage data recorder (when applicable) SOLAS 14 V/20
- 27. Inspect automatic identification system (AIS) (when applicable) 33 CFR 164.43(a)
- 28. Inspect bridge navigation equipment (when applicable) SOLAS 14 V/19.2.2.1
- 29. Inspect communication equipment (when applicable) 47 CFR 80.1101(c)
SOLAS 14 IV/7.1.4
- 30. Inspect long range identification and tracking (LRIT) (when applicable) 33 CFR 169.205(a)
SOLAS 14 V/19
- 31. Inspect depth sounding equipment (when applicable) SOLAS 14 V/19.2.3.1
- 32. Inspect Global Maritime Distress and Safety System (GMDSS) equipment 47 CFR 80.1083
SOLAS 14 IV/6.2.5
- 33. Inspect immersion suits (when applicable) 46 CFR 117.10
46 CFR 199.70(c)
- 34. Inspect emergency outfits and equipment SOLAS 14 II-2/10.10.2
- 35. Inspect fire control plan SOLAS 14 II-2/15.3
- 36. Inspect International Shore Connection (when applicable) Fire Control Plan
- 37. Issue/endorse vessel's certificates (when applicable) 46 CFR 114.120
SOLAS 14 I/14(i)(ii)

<input type="checkbox"/>	4. Review International Air Pollution Prevention Certificate (IAPP) and Supplement Record of Construction and Equipment (when applicable)	MARPOL VI/8	<input type="checkbox"/>	48. Inspect portable fire extinguishers	46 CFR 118.500 46 CFR 118.520
<input type="checkbox"/>	5. Review International Anti-Fouling System (IAFS) certificate with Record of Anti-Fouling System (when applicable)	IMO Res MEPC.195(61) 4	<input type="checkbox"/>	49. Inspect semi-portable firefighting equipment (when applicable)	46 CFR 118.500 46 CFR 118.520
<input type="checkbox"/>	6. Review International Energy Efficiency Certificate and Record of Construction (when applicable)	IMO Res MEPC.203(62) Appendix VIII	<input type="checkbox"/>	50. Inspect fire axe(s) (when applicable)	46 CFR 118.600
<input type="checkbox"/>	7. Review International Oil Pollution Prevention Certificate (IOPP) (when applicable)	MARPOL I/9	<input type="checkbox"/>	51. Inspect high pressure CO2 system(s) (when applicable)	MSM II/C.2.I.5
<input type="checkbox"/>	8. Review Statement of Voluntary Compliance, MARPOL Annex IV (Sewage) (when applicable)	NVIC 01-09	<input type="checkbox"/>	52. Inspect pre-engineered fixed gas fire extinguishing systems (when applicable)	46 CFR 118.420(a)(1)
<input type="checkbox"/>	9. Verify credentials	46 CFR 10.109(d) 46 CFR 11.202	<input type="checkbox"/>	53. Inspect fire and smoke detection systems (when applicable)	46 CFR 118.400(c),(e) & (f) 46 CFR 118.450
<input type="checkbox"/>	10. Examine International Load Line Certificate (ILLC) (when applicable)	46 CFR 114.122 ICLL Article 16	<input type="checkbox"/>	54. Review approved Safety Plan (Fire-Control Plan)	46 CFR 116.530
<input type="checkbox"/>	11. Examine copy of Document of Compliance (ISM-DOC) (when applicable)	46 CFR 115.925 33 CFR 96.330	<input type="checkbox"/>	55. Inspect areas for compliance with Structural Fire Protection (SFP) requirements	46 CFR 116.202(b)2 & 3 46 CFR 116.530
<input type="checkbox"/>	12. Examine Safety Management Certificate (ISM-SMC)(when applicable)	46 CFR 115.925 33 CFR 96.340	<input type="checkbox"/>	56. Inspect steering gear	46 CFR 115.814 46 CFR 119.610
<input type="checkbox"/>	13. Examine International Ship Security Certificate (ISSC) & Continuous Synopsis Record (CSR)	SOLAS 14 XI-1/5.5.2 ISPS Code A/19.2.4	<input type="checkbox"/>	57. Inspect fuel oil service system	46 CFR 119.455
<input type="checkbox"/>	14. Examine Certificate of Documentation (COD) (when applicable)	46 CFR 67.17 46 CFR 67.19	<input type="checkbox"/>	58. Inspect main propulsion system(s)	46 CFR 119.310 46 CFR 115.804
<input type="checkbox"/>	15. Examine Tonnage Certificate	46 CFR 69.69	<input type="checkbox"/>	59. Inspect unfired pressure vessels (UPVs) (when applicable)	46 CFR 54.10-20
<input type="checkbox"/>	16. Examine official logbook	46 CFR 122.280(a)	<input type="checkbox"/>	60. Examine potable water system (when applicable)	21 CFR 1250.82(c) MSM II/A.C.2.a
<input type="checkbox"/>	17. Examine Maintenance Records	SOLAS 14 IV/15	<input type="checkbox"/>	61. Inspect bilge system	46 CFR 115.804(h) 46 CFR 119.520
<input type="checkbox"/>	18. Examine Shipboard Oil Pollution Emergency Plan (SOPEP) (when applicable)	46 CFR 121.702 33 CFR 151.09	<input type="checkbox"/>	62. Inspect (wet & dry) exhaust system(s)	46 CFR 115.804(c) 46 CFR 119.430
<input type="checkbox"/>	19. Examine oil and hazardous liquid transfer procedures (when applicable)	46 CFR 121.702 33 CFR 155.720	<input type="checkbox"/>	63. Inspect auxiliary boiler(s) (when applicable)	46 CFR 54.10-20
<input type="checkbox"/>	20. Examine vessel's training log	SOLAS 14 III/35	<input type="checkbox"/>	64. Inspect switchboard(s)	46 CFR 120.330(a) - (e) 46 CFR 120.330(i)
<input type="checkbox"/>	21. Examine Oil Record Book (ORB) (when applicable)	33 CFR 151.25(b) IMO Res MEPC.187(59)	<input type="checkbox"/>	65. Inspect main service generator(s) and prime mover(s)	46 CFR 120.310
<input type="checkbox"/>	22. Examine Vessel Security Plan (VSP/ASP)	33 CFR 104.120(a)(1) SOLAS 14 XI-2/4.2	<input type="checkbox"/>	66. Inspect lighting systems	46 CFR 120.410 UL 1570
<input type="checkbox"/>	23. Examine security records	33 CFR 104.235(b)(1) SOLAS 14 XI-2/4.2	<input type="checkbox"/>	67. Inspect battery installation	46 CFR 120.352
<input type="checkbox"/>	24. Inspect security equipment	33 CFR 104.292(b)(ii) SOLAS 14 XI-2/6	<input type="checkbox"/>	68. Inspect electrical cable and fixtures	46 CFR 120.340(b)(4)
			<input type="checkbox"/>	69. Inspect distribution panel(s)	46 CFR 120.330(a) 46 CFR 120.330(e)
			<input type="checkbox"/>	70. Inspect components installed in designated hazardous areas (when applicable)	46 CFR 120.530(a) 46 CFR 120.530(b)
			<input type="checkbox"/>	71. Witness deadweight survey with or without inclining experiment	46 CFR 170.001 46 CFR 170.070
			<input type="checkbox"/>	72. Verify drainage requirements	46 CFR 116.1110 46 CFR 116.1120

- 73. Verify subdivision (when applicable) 46 CFR 171.060(b)
- 74. Inspect hatches and Class-1 watertight doors (when applicable) 46 CFR 174.210
- 75. Inspect Class 2 & 3 watertight doors (when applicable) 46 CFR 170.270(c)(2)
ASTM F1197/7.1
- 76. Inspect watertight bulkhead penetrations 46 CFR 171.114
- 77. Inspect hull structure 46 CFR 116.300
MSM II/B.1.B.1
- 78. Inspect sewage system 33 CFR 159.57
- 79. Conduct garbage handling (MARPOL Annex V) survey (when applicable) 46 CFR 121.702
33 CFR 151.51 & .57
- 80. Conduct Vessel General Permit (VGP) compliance verification (when applicable) CG-543 Policy Ltr 11-01
FWPCA Section 402
- 81. Examine freeing ports and scuppers (when applicable) 46 CFR 115.700
- 82. Examine ground tackle, mooring lines and related equipment 46 CFR 121.300
- 83. Inspect port lights, dead covers and natural vent openings 46 CFR 119.465(h)
- 84. Inspect fuel tank venting 46 CFR 119.450(d)
46 CFR 119.450(f)
- 85. Inspect rails and guards 46 CFR 116.900
- 86. Evaluate Fire Drill 46 CFR 122.524
46 CFR 176.810(d)
- 87. Evaluate Man Overboard Drill 46 CFR 115.808(g)
46 CFR 122.520
- 88. Evaluate abandon ship drill 46 CFR 115.808(g)
46 CFR 122.520
- 89. Inspect steel and aluminum hulls 46 CFR 115.802
46 CFR 115.610
- 90. Inspect tailshaft(s), stern bearing(s) and propeller(s) 46 CFR 115.670
MSM II/B.3.D.3
- 91. Inspect the rudder installation 46 CFR 115.814
MSM II/B.3.E.2
- 92. Inspect hull appendages 46 CFR 115.610(a)
- 93. Inspect anchor chain(s) 46 CFR 121.300
- 94. Inspect sea valve(s) 46 CFR 115.610
46 CFR 171.119(b),(c) & (d)
- 95. Verify if vessel qualifies to participate in the USCG's underwater survey program (UWILD) 46 CFR 115.630
NVIC 01-89
- 96. Inspect hull during an underwater survey 46 CFR 115.615
NVIC 01-89 Encl.1/2.a
- 97. Verify confined spaces are safe for entry 29 CFR 1915.12(f)
CIM 5100.47A/6.G.9.c
- 98. Inspect internal structures 46 CFR 115.610(b)
46 CFR 115.802

- 99. Verify nondestructive testing (NDT) using the liquid (dye) penetrant method 46 CFR 115.700(d)
NVIC 07-68 9(V)(A)
- 100. Verify suspected surface for satisfactory condition by nondestructive testing (NDT) using the magnetic particle method 46 CFR 115.700(d)
NVIC 07-68 9(V)(A)
- 101. Verify suspected surface for satisfactory condition by nondestructive testing (NDT) using the radiography (gamma rays or x-rays) method 46 CFR 115.700(d)
NVIC 07-68 9(V)(A)
- 102. Verify suspected surface(s) for satisfactory condition by nondestructive testing (NDT) using the ultrasonic method 46 CFR 115.700(d)
NVIC 07-68 9(V)(A)
- 103. Verify nondestructive testing (NDT) using the hydro-static method 46 CFR 115.700(b)
ABS 3-7-1/5.5
- 104. Verify nondestructive testing (NDT) using the pneumatic (air test) method 46 CFR 115.700(d)
ABS 3-7-1/5.7
- 105. Evaluate steel and aluminum structural repair proposals 46 CFR 115.700(d) & 177.300
NVIC 07-68 IV
- 106. Inspect aluminum fit-up 46 CFR 116.300(b)
NVIC 07-68 V & NVIC 11-80
- 107. Inspect steel fit-up 46 CFR 116.300(b)
NVIC 07-68 V
- 108. Inspect welds for defects 46 CFR 116.300(b)
ABS 2-4-1/5.15.1
- 109. Inspect back gouge (when applicable) 46 CFR 116.300(b)
NVIC 07-68 V(G)(2)
- 110. Issue deficiencies 46 USC 3313(b)
MSM II/A.2.C.4.b
- 111. Issue/endorse vessel's certificates (when applicable) 46 CFR 115.500(b)(1)(ii)
- 112. Complete MISLE Activity MSM I/12.G.2.a
- 113. Verify deficiency corrections MSM II/A.2.C.4
- 114. Ensure completion of drydock examination MSM II/A.2.C

International Routes

- 1. Inspect hull for required markings (when applicable) SOLAS 14 XI-1 1/3
- 2. Review Passenger Ship Safety Certificate (when applicable) 46 CFR 115.910(a)
SOLAS 14 I/12(a)(i)
- 3. Review Engine International Air Pollution Prevention (EIAPP) Certificate (when applicable) MARPOL VI/13.1
MARPOL VI/13.8