United States Coast Guard



Offshore Supply Vessel Inspector Job Aid

Na	me of Vessel								
Off	icial Number			Acti	vity l	Num	ber		
Dat	te Completed			Clas	ss				
Loc	cation								
Vessel Built in Compliance with SOLA						60	74	74/78	NA
Ro	ute								
	Oceans		Limited Coastwis	e		Lak	kes / Ba	ıys / Soun	ds
	Coastwise		Great Lakes						
Ins	pection Type								
	Inspection fo	r Ce	rtification (COI)			Anı	nual		
	Periodic					Dry	docking	9	
Ins	pectors								
1				3					
2				4					

Job Aid OSV Rev. Sept 2018

DCN: MPS-JA-TCY-OI (3)

Use of Offshore Supply Vessel (OSV) Job Aid:

This Job Aid is intended for use by qualified Coast Guard OSV Marine Inspectors for use on U.S. flagged OSVs during hull and machinery exams on vessels regulated under Subchapter L. For OSVs built prior to March 15, 1996, Subchapter I or Subchapter T may apply; therefore regulatory cites from the Hull, Machinery or T-Boat Job Aid may be applicable.

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 International Maritime Organization (IMO) resolutions, 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 OSVs 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	
IMO Applicability Dates	1
Involved Parties & General Information	3
Vessel Information	
Certificates and Documents	5
Inspection Items	
Certificate of Inspection	
Pre-Inspection	8
Dockside Assessment	
Certificates & Documents	
Logs & Manuals	
Security	
Bridge & Navigation	
General Health & Safety	
Lifesaving Equipment	
Firefighting Systems	
Dynamic Positioning Systems	
Heli-Deck	
Machinery	
Electrical Systems	
Structural & Watertight Integrity	43
Pollution Prevention	
Topside Equipment	46
Cargo Systems	48
Emergency Drills	49
Duvide als Evensine tien	
Drydock Examination Hull Inspection	-4
Internal Structural Exam	
Welding Repair	
Nondestructive Testing	50
Follow-up Action	60
Appendices	
Vessel Layout	62
Recommended U.S. Vessel Deficiency Procedures	
Deficiency Summary Worksheet	
Notes	
Conversions	68

Section 1: Administrative Items

IMO Applicability Dates:

Reference	Dates
1974 SOLAS (2014 Consolidated)	
Chapter (I)	All Ships
Chapter (II-1)	01 JAN 09
Chapter (II-2)	01 JUL 02
Chapter (III)	01 JUL 98
Chapters (IV-XII)	All Ships
1974 SOLAS (2009 Consolidated)	
Chapter (II-1)	01 JAN 09
Chapter (II-2)	01 JUL 02
Chapter (III)	01JUL 98
1974 SOLAS (2004 Consolidated)	
Chapter (II-1)	01 JUL 86
Chapter (II-2)	01 JUL 02
Chapter (III)	01 JUL 98
1974 SOLAS (2001 Consolidated)	
Chapter (II-1)	01 JUL 86
Chapter (II-2, III)	01 JUL 98
1974 SOLAS (1997 Consolidated)	
Chapters (II-1, II-2 Part A,C,D, III)	01 JUL 86
Chapter (II-2 Part B)	01 OCT 94
1974 SOLAS (1981 Amendments)	
Chapters (II-1, II-2, III)	01 SEP 84
1974 SOLAS (Unamended)	25 MAY 80
1960 SOLAS	Prior to 25 MAY 80

74 SOLAS 2014 Consolidated contains all amendments entered into force up-to 01 Jul 14. The following Amendments (resolutions) have entered into force since it was published. www.imo.org MSC 365(93) MSC 366(93) FSS CODE (2015 edition)	01 JUL 15 01 JUL 15
LSA Code (2017 edition)	
ITC 1969	18 JUL 82
Load Line 1966 Load Line 88 Protocol	21 JUL 68 03 FEB 00
Load Line (2005 edition) contains all amendments entered into force up-to 2003 Amendments. The following Amendments (resolutions) have entered into force since it was published. www.imo.org MSC 172(79) MSC 223(82) MSC 270(85) MSC 329(90) MSC 356(92) MSC 375(93)	01 JUL 06 01 JUL 08 01 JUL 10 01 JAN 14 01 JAN 15 01 JAN 16
MARPOL 2017 Consolidated contains all amendments entered into force up-to 01 JAN 2017 Amendments. The following Amendments (resolutions) have entered into force since it was published. www.imo.org	
STCW (2017 edition) contains all amendments entered into force up-to 2017 Amendments. The following Amendments (resolutions) have entered into force since it was published. www.imo.org	28 APR 84

Involved Parties & General Information:

	_
Vessel's Representative:	
Phone Numbers:	
Owner	
☐ No Change	
Operator – Listed on DOC (if applicable) or COFR	
□ No Change	

Vessel Information:

Classification Society					
ISM Issuer: Same as above?					
□Yes □ No If not the same Recognized Organizati	•				
NOTE: The period of validity for ISM docume If they do NOT, ISM documents should be fu	,				
☐ 5 years = Full term (SMS and DOC) ☐ 6 months = Interim (SMC)	☐ 12 months = Interim (DOC) ☐ 5 months = Short term (SMC)				
Last Drydocking Date	Next Drydocking Date				
Location of Last Drydocking					
Call Sign	☐ No Change				
Gross Tons	☐ No Change				
Built Date (use delivery date)	☐ No Change				
Overall Length (in feet)	□ No Change				

Certificates and Documents

Name of Certificate	Issuing Agency	# QI	Port Issued/ Country	Issue Date	Exp. Date	Endors. Date
Certificate of Documentation						
□ No Change	0200					
Classification Document						
☐ No Change						
Certificate of Financial Responsibility (COFR)	nsce					
□ No Change						
FCC Station License	FCC					
□ No Change						
FCC Safety Certificate	FCC					
☐ No Change						
FCC Marine Operator's Permit	FCC					
□ No Change						

Name of Certificate	Issuing Agency	# 0	Port Issued/ Country	Issue Date	Exp. Date	Endors. Date
Cargo Ship Safety Construction						
□ No Change						
Cargo Ship Safety Equipment	0					
□ No Change	0200					
Cargo Ship Safety Radio	JJSH					
□ No Change	5000					
International Load Line (ILLC)						
□ No Change						
International Tonnage (ITC)						
□ No Change						
ISM Document of Compliance (DOC)						
□ No Change						
ISM Safety Management (SMC)						
□ No Change						

Name of Certificate	Issuing Agency	# QI	Port Issued/ Country	Issue Date	Exp. Date	Endors. Date
International Oil Pollution Prevention (IOPP)						
□ No Change						
International Sewage Pollution Prevention (ISPP)						
□ No Change						
International Air Pollution Prevention (IAPP)						
□ No Change						

Section 2: Inspection Items

Pre-Inspection

1.		esearch vessel details in MISLE (Marin nforcement) information system	e Information for Safety and Law
	•	Determine authority, jurisdiction and applicable regulations	46 USC 3301(3) 46 CFR 125.100
	•	Locate vessel in MISLE	MSM I/12.G.5
	•	Verify documents are current in MISLE	MPS-PR-SEC-04 MSM II/B.1.C.2
	•	Review history (narratives, deficiencies & special notes)	MPS-PR-SEC-04 MSM II/B.1.C.2
	•	Verify status of user fees	MPS-PR-SEC-01 MSM II/B.1.C.2
	•	Enter title and point(s) of contact	MSM II/B.1.C.2
	•	Vessel General Permit	CG-543 Policy Ltr 11-01
	•	Verify status of Certificate of Financial Responsibility (e-COFR)	33 CFR 138.15(a)(2)
	•	Generate new activity	MPS-PR-SEC-04 MSM I/12.H
	•	Prepare folder and required documents	MPS-PR-SEC-04
2.	Co	pordinate inspection with vessel's repre	esentative
	•	Verify vessel's representative	MPS-PR-SEC-01
	•	Determine location and time of inspection	MPS-PR-SEC-01
	•	Discuss inspection expectations	46 CFR 126.430 MSM II/B.1.D.1 & B.2.A.1
	•	Verify vessel's owner/operator information	MPS-PR-SEC-04
	•	Verify vessel's Classification Society information	MPS-PR-SEC-04
	•	Review outstanding conditions from third party reports and/or CG-835s	MPS-PR-SEC-04
	•	Review repairs and alterations	46 CFR 126.150

3.	Mitigate potential hazards encountered	d during an inspection
	Recognize potential hazards encountered during inspection	NFPA 306
	 Determine confined spaces 	MSM I/10 App. A
	 Determine if exam scope will require a Marine Chemist certification for space entry 	29 CFR 1915, Part B MSM II/A.5.H
	 Verify Marine Chemist has been scheduled for exam 	MSM I/10
	 Prepare necessary personal protective equipment for exam 	MSM I/10 Quattro Operator's Manual
	Review CG policy for when to leave a space due to hazardous	MSM I/10

Dockside Assessment

condition

Initial vessel visual examination (upon arrival)							
•	Verify presence of anchor(s)	46 CFR 130.240250					
•	Verify Load Line markings	46 CFR 125.140 46 CFR 131.230					
•	Verify IMO number	33 CFR 104.297 SOLAS 14 XI-1/3					
•	Verify draught (draft) marks	46 CFR 131.220 SOLAS 14 II-1/5.6					
•	Verify name, hailing port and official number markings	46 CFR 131.210 46 CFR 67.121					
•	Evaluate hull for signs of pollution/illegal discharge	33 USC 1321 MARPOL I/15					
•	Evaluate hull condition	46 CFR 126.140150 SOLAS 14 II-1/3-1					
•	Examine means of embarkation (gangway/ladders)	29 CFR 1915.74(a)(6) SOLAS 14 II-1/3-9					
•	Examine cargo ports and other similar openings	ICLL I/21					
•	Examine sidescuttles (windows/skylights)	ICLL I/23					
•	Verify condition of mooring lines	46 CFR 130.240250					

Certificates & Documents

5.	Review Certificate of Inspection (COI)	
	Verify presence and location	46 CFR 126.240
	Validate manning	46 CFR 131.920 & 126.220 46 CFR 15 Subpart D & E
	 Validate number of offshore workers authorized 	46 CFR 126.170 46 CFR 126.220
	 Validate route(s) and service 	46 CFR 126.220
	 Validate fire fighting and lifesaving equipment 	46 CFR 126.220
	Validate cargo carriage	46 CFR 126.460 46 CFR 125.110130
	Review amendment(s)	46 CFR 126.270 MSM II/A.3.J
6.	. Review Certificate of Documentation (COD)	
	 Verify presence of original 	46 CFR 67.313
	Verify contact information is correct	46 CFR 67.321
	 Verify endorsement(s) for current service(s) 	46 CFR 67.17 46 CFR 67.19
	Confirm renewal of endorsement	46 CFR 67.163 46 CFR 67.7
7.	Examine stability letter, book and loading	g criteria
	 Verify presence of current stability documents 	46 CFR 127.230 46 CFR 170.105140 (Subpart D)
	Determine if any modifications or alterations have occurred	46 CFR 126.150
	 Verify modifications or alterations are addressed in current stability Letter or Book 	46 CFR 126.150
	 Verify tonnage arrangement is in compliance with stability documents 	46 CFR 126.150
	 Verify stability requirements are documented 	46 CFR 131.513

8. Review Load Line Certificate (International (ILLC) / Co		nal (ILLC) / Coastwise)	
		Verify presence and type	ICLL Article 16 46 CFR 42.03-5
		Verify validity	ICLL Article 15 ICLL Article 19
		Verify proper certificate form	ICLL Article 18 46 CFR 42.07-45(e)
		 Confirm load line observed on hull matches certificate 	ICLL I/9 46 CFR 42.07-5
		 Verify presence and information contained in the Load Line Survey is valid 	46 CFR 42.07-35 g & h 46 CFR 42.09-1(c) &-15(a)
	9.	Review Merchant Mariner Credentials (M Transportation Worker Identification Cred	
		 Ensure MMCs, including STCW endorsements, meet COI manning requirements 	46 CFR 131.920 46 CFR 15.515
		Verify presence of original MMCs	46 CFR 10.205 46 CFR 131.955
		 Verify Radar Operator endorsement 	46 CFR 131.920 46 CFR 15.815
		Verify TWIC	46 CFR 10.203
		 Verify Radio Officer/Global Maritime Distress and Safety System (GMDSS) operator endorsements 	46 CFR 11.603 47 CFR 80.155 & .1073
		Examine Medical Certificates	46 CFR 10.301, 15.401 NVIC 01-14
		 Verify number of GMDSS Operators 	47 CFR 80.1073 SOLAS 14 IV/16
	10.	Inspect compliance of drug and alcohol p	orogram
		 Verify compliance with required Employee Assistance Program (EAP), including education and training 	46 CFR 16.401(a) 46 CFR 16.401(b)
		 Verify presence and currency of drug and alcohol testing equipment 	46 CFR 4.06-15
		Verify training of designated testing equipment crewmen	46 CFR 4.06-20(a)(3) 46 CFR 4.06-20(b)
		 Verify crew are enrolled in a drug testing program 	46 CFR 16.210 46 CFR 16.230

11.	Review International Noxious Liquid Substance Certificate (International Pollution Prevention Certificate for the Carriage of Noxious Liquid Substances (NLS) in Bulk or Certificate of Fitness (COF)		
	•	Verify vessel particulars	MARPOL II/ Appendix III
	•	Verify vessel COI authorizes carriage	CG-ENG Policy Ltr 03-12/1.5
	•	Verify carriage is identified IAW IBC Code	MARPOL II/11 IBC Code 17
	•	Verify carriage identified by tank numbers and locations	MARPOL II/ Appendix III
	•	Verify carriage identified by pollution category	MARPOL II/ Appendix III.4
	•	Verify standard of damage (COF)	IBC Code 2.8.2
	•	Verify exemptions or compliance to guidelines	MARPOL II/4
	•	Verify any extension, renewal or change in anniversary date endorsements	MARPOL II/8
	•	Verify Tank Plan and additional NLS cargoes identified in Cargo Record Book	46 CFR 125.120(c)(3) MARPOL II/15.1
12.	Ex	amine maintenance and service record	ds (life saving & fire fighting)
	•	Review fire fighting service reports	46 CFR 132.350 SOLAS 14 II-2/14.2.2
	•	Review lifesaving service report(s)	46 CFR 133.45 SOLAS 14 III/20.8.1
13.		amine muster lists and emergency ins cards)	tructions (additional steps found in
	•	Verify muster lists and emergency instructions are available	46 CFR 133.80 & .90 SOLAS 14 III/8.2
	•	Verify muster lists and emergency instructions are posted	46 CFR 133.80 & .90 SOLAS 14 III/8.3
	•	Verify information on muster lists and emergency instructions	46 CFR 133.80 & .90 SOLAS 14 III/37.3-6
14.		eview International Safety Managemen OC) and Safety Management Certifica	
	•	Verify presence of DOC (copy)	33 CFR 96.330(a) SOLAS 14 IX/4.2
	•	Verify DOC identifies company and vessel type	33 CFR 96.330(e) ISM Code B/13.3

		y DOC validity with annual ications	33 CFR 96.330(f) ISM Code B/13.4
	• Veri	y presence of SMC	33 CFR 96.340(d) SOLAS 14 IX/4.3
		y vessel particulars listed on common match DOC	ISM Code Appendix
	addi	y intermediate verification or tional verifications are plete	33 CFR 96.340.(e) IMO Res A.1118 (30)
		y extension or renewal prsements	33 CFR 96.340(f) IMO Res A.1118 (30)
15.	Review	Classification Society Document	/Certificates
	• Veri	y validity	SOLAS 14 I/6 NVIC 02-95
	• Veri	y endorsements (notations)	SOLAS 14 I/6 NVIC 02-95
16.		International Anti-Fouling Syster uling System	m (IAFS) certificate with Record of
	Verit	y vessel particulars	IMO Res MEPC.195(61) 4
	 Verifiende 	ry COI has Anti-Fouling orsement or, if not required, S Certificates	MSM II/B.3.J
		y identification of applied Anti- ing System	AFS Articles 3 & 4 AFS Annex 1-3
		y vessel particulars on Record nti-Fouling Systems	IMO Res MEPC.195(61) 4.1 MSM II/B.3.J
	 Verif prov 	y Anti-Fouling Systems details ided	IMO Res MEPC.195(61) 4.2 & 5
	Foul	y that no change in Anti- ing System has occurred since ance of IAFS Certificates	IMO Res MEPC.195(61) 5.2 MSM II/B.3.J
17.	Review	Cargo Ship Safety Construction	Certificate (CSSCC)
	• Veri	y vessel particulars	SOLAS 14 I/15
	• Verit	y ship type is accurate	SOLAS 14 I/12(a)(ii)
	dock	y presence of previous two dry c examinations and prsements	SOLAS 14 I/10(a)(v)
	char	y any extension, renewal or nge in anniversary date orsements	SOLAS 14 I/14

18. Review Cargo Ship Safety Equipment Certificate (CSSEC) & (Record of Equipment)		ertificate (CSSEC) & Form E		
		•	Verify vessel particulars	SOLAS 14 I/12(a)(iii) SOLAS 14 I/15
		•	Verify ship type is accurate	SOLAS 14 I/12(a)(iii)
		•	Verify alternate design or arrangement (fire safety)	SOLAS 14 II-2/17
		•	Verify if an exemption certificate has been issued	SOLAS 14 I/4
		•	Verify annual, intermediate, renewal or hull inspection extension endorsements	SOLAS 14 I/10
		•	Verify record of equipment matches issued COI for quantities of life-saving appliances	MSM II/A.3.H SOLAS 14 I/12(a)(iii)
		•	Verify record of equipment accurately captures navigational systems and equipment installation	SOLAS 14 I/12(a)(iii) SOLAS 14 V/19
	19.		eview Cargo Ship Safety Radio Certific Equipment) (when applicable)	ate (CSSRC) & Form R (Record
		•	Verify presence	46 CFR 2.01-25(a)(4) SOLAS 14 I/9 & 12(4)
		•	Verify validity	SOLAS 14 I/9(a) SOLAS 14 I/14
		•	Verify vessel particulars	SOLAS 14 I/9(a)
		•	Verify proper Sea Area identified	SOLAS 14 IV/6
	20.	Re Sy	eview International Ships Security Cert nopsis Record (CSR)	ificate (ISSC) & Continuous
		•	Verify vessel particulars	SOLAS 14 XI-1/5.5.2 ISPS Code A/19.2.4
		•	Verify Company name and address match International Safety Management documents	SOLAS 14 XI-1/5.3
		•	Verify ISSC endorsement and type with date (initial, renewal, intermediate & extension).	ISPS Code A/19 ISPS Code A/19.1.1
		•	Verify CSR is present and valid	SOLAS 14 XI-1/5.1 SOLAS 14 XI-1/5.3
		•	Verify CSR information matches ISSC	SOLAS 14 XI-1/5.3

	 21. Review International Oil Pollution Prevention Certificate (IOPP) at A (Supplement) 		ntion Certificate (IOPP) and Form
		Verify vessel particulars	MARPOL I/9
		Verify vessel type is accurate	MARPOL I/2.1-2.4 MARPOL I/9
		 Verify annual, intermediate, extension renewal, or change in anniversary date 	33 CFR 151.17 MARPOL I/6
		 Verify record of construction and equipment 	33 CFR 151.19(b)(4) MARPOL I/9
		 Verify control requirements for machinery bilge and fuel oil tanks identified 	MARPOL I/14 MARPOL I/16
		 Verify retention and disposal requirements for oily bilge water holding tanks 	MARPOL I/12
		 Verify standard discharge connection requirement 	33 CFR 155.430 MARPOL I/13
22. Review International Air Pollution Prevention Certification Supplement Record of Construction and Equipment			
		Verify vessel particulars	MARPOL VI/8 & App I
		 Verify annual, intermediate, renewal, repair and extension endorsements and/or change in anniversary date 	MARPOL VI/5 MARPOL VI/6
		Verify ozone depleting substances identified	MARPOL VI/12
		 Verify Nitrogen Oxide emission sources identified 	40 CFR 1043.10 MARPOL VI/13
		 Verify Sulphur Oxide (fuel oil) requirements identified 	40 CFR 1043.10 MARPOL VI/14
		 Verify incinerator installation identified 	40 CFR 1043.10 MARPOL VI/16
		 Verify validity of alternatives or equivalents 	MARPOL VI/4
	23.	Review Engine International Air Pollution	Prevention (EIAPP) Certificate
		Verify applicability	MARPOL VI/13.1.1-1.3 CG-543 Policy Ltr 09-01
		Verify presence	MARPOL VI/8 CG-543 Policy Ltr 09-01

 Verify duration and validity 	MARPOL VI/9 CG-543 Policy Ltr 09-01
 Verify engines identified and no changes have been made 	MARPOL VI/13.1.1
 Verify Statement of Compliance (issued by Manufacturer) is accompanied by EPA issued EIAPP 	CG-543 Policy Ltr 09-01 5.b.i
 Verify each engine required to comply with the NOx requirements have the corresponding EPA Approved Technical File 	CG-543 Policy Ltr 09-01 5.b.ii
24. Verify compliance with Vessel General	Permit (VGP)
 Verify Notice of Intent (NOI) has been submitted 	CG-543 Policy Ltr 11-01 Encl 1 VGP 1.5.1.1 & 10
 Verify compliance with ballast water record keeping requirements 	VGP 4.3 CG-543 Policy Ltr 11-01
 Verify noncompliance & reportable quantity reports have been submitted 	VGP 4.4.1 - 4.4.4 CG-543 Policy Ltr 11-01
25. Review Certificate of Financial Respons	sibility (COFR) (when applicable)
 Verify applicability 	33 CFR 138.15 33 CFR 138.65 & .70
 Verify validity 	33 CFR 138.15
 Verify contents 	33 CFR 138.30(c)
26. Review Tonnage Certificate (Internation	nal (ITC) / Domestic)
 Verify validity 	46 CFR 69.3 46 CFR 69.69
Verify correct measurement system	46 CFR 69.11 NVIC 11-93
 Verify vessel particulars remain valid 	46 CFR 69.55 46 CFR 69.105
 Review Federal Communications Comm (when applicable) 	nission Bridge-to-Bridge Certificate
 Verify presence 	47 CFR 80.1001
 Verify validity 	47 CFR 80.1005
• verify validity	47 Of IC 00.1000

28.	Review Federal Communications Commission Station License		
	Verify presence	47 CFR 80.13	
	Verify validity	47 CFR 80.25	
	Verify contents	47 CFR 80.99 47 CFR 80.405	
	 Verify that other classes of onboard equipment are authorized for operation 	47 CFR 80.17	
29.	Review Federal Communications Comm Certificate	ission Safety Radiotelephony	
	Verify presence	47 CFR 80.59 (a)(2)	
	Verify validity	47 CFR 80.59	
	Verify contents	47 CFR 80.59	
30.	Review International Energy Efficiency (I Construction	EE) Certificate and Record of	
	Verify applicability	MARPOL VI/6.4 CG-CVC Policy Ltr 13-02	
	Verify presence	MARPOL VI/6.4 CG-CVC Policy Ltr 13-02	
	Verify duration and validity	MARPOL VI/9.1011 CG-CVC Policy Ltr 13-02	
	 Verify vessel particulars 	MARPOL VI/Appendix VIII	
	 Verify Energy Efficiency Design Index requirements 	MARPOL VI/20 CG-CVC Policy Ltr 13-02 7.a	
	 Verify Ship Energy Efficiency Management Plan is identified 	MARPOL VI/22 CG-CVC Policy Ltr 13-02 7.b	
	 Verify Technical File requirements are met 	MARPOL VI/20.1.3 CG-CVC Policy Ltr 13-02 8.b	
31.	Review Statement of Voluntary Complian	nce, MARPOL Annex IV (Sewage)	
	Verify vessel particulars	NVIC 01-09 Encl 3	
	Verify system's compliance type	33 CFR 159.51-131 NVIC 01-09 Encl 1	
	 Verify Discharge Rate (draft & speed chart) identified 	33 CFR 159.57 NVIC 01-09	
	 Verify endorsements (extension or renewal) 	NVIC 01-09 Encl 3	

Logs & Manual

32.	Verify compliance with STCW watchkee	ping standards
	Review watchstanding schedules	STCW VIII STCW A-VIII/2
	 Verify compliance with standing orders and other special instructions 	STCW A-VIII/2
33.	Review logbook	
	Verify log entries	46 CFR 131.610 & .620(b) 33 CFR 164.25
	Verify EPIRB tests are logged	46 CFR 131.565(b) 47 CFR 80.1099(f)(2)
	 Verify sanitary inspections are logged 	46 CFR 131.515
	Verify drills are logged	46 CFR 131.530(e) 46 CFR 131.535(e)
	Verify casualties are logged	46 CFR 131.110 46 CFR 4.05-15
	Verify applicable signatures	46 USC 11302
34.	Review radio logs	
	 Determine applicability of requirements 	46 CFR 130.210 47 CFR 80.409
	Verify vessel's information marked on log	47 CFR 80.409(a)(3)
	 Verify required entries are documented 	47 CFR 80.409(f) 47 CFR 80.1075 & 1099(f)(2)
	Verify corrections are documented	47 CFR 80.409(a)(2)
35.	Review lifesaving equipment maintenan	ce record
	Review liferaft records	46 CFR 131.580 46 CFR 131.545
	Review lifeboat records	46 CFR 131.545 SOLAS 14 III/20
	Review rescue boat records	46 CFR 131.545 SOLAS 14 III/20
	 Review records for davits, falls & winches 	46 CFR 131.550 46 CFR 131.570

36.	Review abandon ship and fire fighting training manual		
	Verify location	46 CFR 131.530 & .535 SOLAS 14 II-2/15.2.3	
	Verify contents	46 CFR 131.530 & .535 SOLAS 14 II-2/15.2.3.3	
37.	Review cargo securing manual		
	Verify presence	SOLAS 14 VI/5.6 NVIC 10-97	
	Review contents	SOLAS 14 VI/5.6 IMO MSC.1/Circ. 1353, Res A.714(17) as amended	
	Verify approval	IMO Res A.714(17) as amended	
38.	Examine Waste/Garbage Management F	Plan	
	Verify validity	33 CFR 151.57 MARPOL V/10.2	
	Verify contents	33 CFR 151.5177 MARPOL V/10.2	
39.	Examine Garbage Record Book		
	Verify validity	33 CFR 151.55 MARPOL V/10.3	
	Verify contents	33 CFR 151.55 MARPOL V/10.3	
40.	Review Oil Record Book (ORB)		
	Verify edition of ORB	33 CFR 151.25(b) IMO MEPC.187(59)	
	 Verify required signatures 	33 CFR 151.25(h)	
	Verify required entries	46 CFR 184.702 33 CFR 151.25(h)	
	 Compare overboard discharge rate entries with filtering equipment data plate or supplement to IOPP certificate 	MARPOL I/7 MARPOL I/Appendix II	

41. Review Shipboard Oil Pollution Emergency Plan (SOPEP)		
	Verify applicability	46 CFR 131.935 33 CFR 151.09
	Verify approval	33 CFR 151.27 MARPOL I/37.1
	Verify annual review	33 CFR 151.28(a) 33 CFR 151.28(d)
	 Verify plan organization 	33 CFR 151.26(b)(8)
	Verify combination plan	MARPOL I/37.3
42.	Review Non-Tank Vessel Response Plan	(NTVRP)
	Verify applicability	46 CFR 131.935 33 USC 1321(a)(26)
	Verify approval	33 USC 1321(j)(5)(F)(i) 33 CFR 155.5065
	 Verify annual reviews and information is accurate 	33 USC 1321(j)(5)(D) 33 CFR 155.5070
43.	Examine ballast water management docu	iments
	Verify plan	33 CFR 151.2050(g) NVIC 07-04 Ch-1
	Verify reporting	33 CFR 151.2060 NVIC 01-18
	Verify records	33 CFR 151.2070 NVIC 01-18
44.	Verify oil and hazardous liquid transfer pr	ocedures
	Verify presence	46 CFR 131.935 33 CFR 155.720
	 Verify Person in Charge is identified 	33 CFR 155.750(a)(4)
	Verify identity of applicable cargoes	33 CFR 155.750(a)(1)
	Verify contents	33 CFR 155.750
45.	Review Automation Test Procedures and	Operations Manual
	Verify approval	46 CFR 130.480 46 CFR 127.110(f)
	Verify accuracy	46 CFR 130.480
	Review annual tests	46 CFR 130.480 46 CFR 61.40

46.	Examine Crane Record Book	
	Verify presence	46 CFR 126.130 46 CFR 109.437
	Verify contents	46 CFR 126.130 46 CFR 109.437
47.	Review Shipboard Marine Pollution Eme	ergency Plans (SMPEP)
	Verify presence	MARPOL II/17.1
	 Verify validity 	MARPOL II/17.1
	 Verify combination plan 	MARPOL II/17.3
48.	Review Procedures and Arrangements I	Manual (P&A)
	Verify presence	MARPOL II/14.1
	Verify contents	MARPOL II/14.2
	Security	
49.	Review Vessel Security Plan (VSP) or A	Iternate Security Plan (ASP)
	 Verify presence of approval letter for plan type 	33 CFR 104.105, .120 & .140 33 CFR 101.120(b) & (c)
	 Verify participation with sponsoring organizations 	NVIC 04-03 Encl 6, 5, C.
	Verify plan is secured	33 CFR 104.400(c) ISPS Code A/9.7
	Examine contents	33 CFR 104.405
	 Verify amendment(s) 	33 CFR 104.415(a)
	Verify implementation	33 CFR 101.120(b)(2) 33 CFR 104.140(c) & 400(a)
	 Verify inspection(s)/deficiency(s) documentation 	NVIC 10-04 Part 1 MSM II A.2.
50.	Examine security records	
	Verify record(s) of security training	33 CFR 104.235(b)(1) SOLAS 14 XI-2/4.2
	 Verify presence of Declarations of Security (DoS) 	33 CFR 104.255 & .235(b)(7) ISPS Code A/5.7
	 Verify record(s) of security drills 	33 CFR 104.235(b)(2) ISPS Code A/10.1.1

 Verify condu 	annual exercise has been acted	33 CFR 104.235(b)(2) ISPS Code A/10.1.1	
Verify	record(s) of annual audit	33 CFR 104.235(b)(8) ISPS Code A/10.1.6	
revali	VSA/SSA is reviewed and dated when VSP is submitt approval or revisions		D
51. Examine	security equipment		
	location of Ship Security System	33 CFR 101.310 & 104.297 SOLAS 14 XI-2/6	
Verify	maintenance records	33 CFR 104.235(b)(5) ISPS Code A/17	
Verify	operation	33 CFR 104.260(a) ISPS Code A/9.4.15 & 18	
52. Evaluate	crew's knowledge of secur	rity plan	
 Identification (CSO) 	fy Company Security Office)	er 33 CFR 104.200(b)(2) SOLAS 14 XI-2/4.2	
	fy Vessel/Ship Security r (VSO/SSO)	33 CFR 104.200(b)(2) ISPS Code A/12.1	
• Evalu	ate VSO's knowledge	33 CFR 104.215(e) ISPS Code A/12.2	
 Evalu 	ate crew's level of knowled	lge 33 CFR 104.220 ISPS Code A/13.3	
	compliance with current me Security (MARSEC) lev	33 CFR 104.240 vel 33 CFR 104.220(m)	
53. Verify see	curity training & records		
 Verify monit 	all access points are pred	33 CFR 104.265(a) ISPS A/7.2.2	
	rve gangway watch control rkation of persons and effe		
Verify	security communications	33 CFR 104.245 ISPS A/7.2.7	
Verify	security level	33 CFR 104.240 ISPS A/7.1	
with th	gangway watch is familiar neir responsibilities as per ity plan	ISPS A/13.2 ISPS A/13.3	
Verify	signage	33 CFR 104.265(f)(3)	

Bridge & Navigation

54. Verify operations of internal communica	tion and control systems
Witness operation of engine order telegraph	46 CFR 129.110 & .560 46 CFR 113.35
 Witness operation of sound powered phones 	46 CFR 130.440 SOLAS 14 III/6.4.1
 Witness operation of public address system 	46 CFR 113.50 SOLAS 14 III/6.4.2
 Verify operation of pilothouse control 	46 CFR 130.430 46 CFR 129.540 (b)(1)
55. Inspect radar(s)	
 Verify safety precautions are followed 	Operations Manual
 Verify operation 	46 CFR 130.310 SOLAS 14 V/19.2
 Verify operation of Automatic Radar Plotting Aid (ARPA) 	33 CFR 164.38 SOLAS 14 V/19.2
56. Inspect magnetic compass	
 Verify illumination 	46 CFR 130.340 33 CFR 164.35(b)
Verify presence of deviation table	33 CFR 164.35(c) SOLAS 14 V/19.2.1.3
 Verify presence of spare 	SOLAS 14 V/19.2.2.1
57. Inspect gyrocompass	
 Verify operation 	33 CFR 164.35(d) SOLAS 14 V/19.2.5
 Verify location and illumination of repeaters 	33 CFR 164.35(e)
 Verify operation under emergency power 	SOLAS 14 II-1/43.2.4.2
58. Inspect depth sounding/recording equip	ment
 Verify sounding equipment is operational 	33 CFR 164.35(h) SOLAS 14 V/19.2.3.1
 Verify continuous recording is operational 	33 CFR 164.35(i)

59.		Inspect electronic position-fixing device (satellite navigation (GPS) receiver)		
	•	Verify equipment is operational	46 CFR 130.320 33 CFR 164.41(a)	
	•	Witness functional test	Operations manual	
60.	Ve	erify operation of Automated Identificati	ion System (AIS)	
	•	Verify AIS information (vessel, type, IMO number, Maritime Mobile Service Identity)	33 CFR 164.46 SOLAS 14 V/19.2.4.5	
	•	Verify operation	SOLAS 14 V/19.2.4.5 Operations Manual	
	•	Verify operation under emergency power	SOLAS 14 II-1/43.2.4.2	
61.		erify Long Range Identification and Tra uipment	cking Information (LRIT)	
	•	Verify operation	33 CFR 169.215 33 CFR 169.230	
	•	Review conformance test report	IMO MSC.1/Circ. 1307	
62.	Ins	spect Global Maritime Distress and Sa	fety System (GMDSS) equipment	
	•	Verify Station ID numbers on applicable equipment	47 CFR 80.1083 SOLAS 14 IV/6.2.5	
	•	Review logs for tests and notations	47 CFR 80.1075 SOLAS 14 IV/17	
	•	Verify equipment for operation areas	47 CFR 80.10831095 SOLAS 14 IV/6.1	
	•	Verify operation of VHF Digital Selective Calling (DSC) radio	47 CFR 80.1085(a)(1) SOLAS 14 IV/7.1.1	
	•	Verify emergency source of power is provided	47 CFR 80.1099(b) SOLAS 14 IV/13.2	
	•	Verify presence of manuals, tools, spare parts and test equipment	47 CFR 80.1105 SOLAS 14 IV/15	
	•	Verify compliance with maintenance method(s)	47 CFR 80.1105(c) SOLAS 14 IV/15	
63.	Ins	spect Radiotelephone equipment		
	•	Verify installation(s)	46 CFR 130.210 47 CFR 80.1003	
	•	Verify equipment for operational areas	47 CFR 80.1015	

	Manual	
64. In:	spect steering system controls at Oper	rating Station
•	Verify steering gear instructions, diagrams & markings	46 CFR 131.845 46 CFR 131.850
•	Witness operation of rudder angle indicator and illumination	46 CFR 130.130 46 CFR 130.140
•	Verify operation of steering gear alarms	46 CFR 128.110 & 130.450 46 CFR 58.25-25, SOLAS 14 II- 1/29
•	Verify operation in follow-up and non follow-up mode	46 CFR 130.130 & .140 46 CFR 58.25
65. In:	spect navigation aids	
•	Verify operation of navigation and anchor lights	46 CFR 129.430 46 CFR 129.110
•	Examine dayshapes	33 CFR 83.20(d) COLREG Rule 20
•	Examine daylight signaling lamp	33 CFR 83.34 COLREG Rule 34
•	Review Certificate of Alternate Compliance	33 CFR 81.9
66. In:	spect sound signaling devices	
•	Witness operation of ship's whistle	33 CFR 83.33(a) COLREG Rule 33
•	Witness operation of ship's bell	33 CFR 83.33(a) COLREG Rule 33
•	Witness operation of ship's gong	33 CFR 83.33(a) COLREG Rule 33
67. Ex	camine charts and publications	
•	Verify presence of current, applicable and corrected charts and/or Electronic Chart Display & Information System (ECDIS)	33 CFR 164.33 & 46 CFR 130.330 SOLAS 14 V/19.2.1.4 & 27
•	Verify presence of current and applicable Tide Tables	33 CFR 164.33 46 CFR 130.330
•	Verify presence of current and applicable Coast Guard Light List	33 CFR 164.33 46 CFR 130.330
•	Verify presence of current and applicable Tidal Current Tables	33 CFR 164.33 46 CFR 130.330

• Verify presence of Operation 47 CFR 80.1011-1013

	 Verify presence of Inland Navigation Rules 	33 CFR 83.01(g)
	 Verify presence of COLREGs 	SOLAS 14 V/27
	 Verify presence of current and applicable U.S. Coast Pilot 	33 CFR 164.33 46 CFR 130.330
	 Verify presence of International Code of Signals 	SOLAS 14 V/21.1
	 Verify presence and contents of maneuvering fact sheet 	33 CFR 164.35(g) MSC.137(76)
	 Verify presence of International Aeronautical and Maritime Search and Rescue (IAMSAR) manual 	SOLAS 14 V/21.2
	General Health &	Safety
68.	Inspect accommodation spaces	
	Verify location	46 CFR 127.270
	Verify number of berths	46 CFR 127.280(a)(1) 46 CFR 127.280(b)
	 Verify spaces are of appropriate size 	46 CFR 127.280(a)(2)(ii)
	 Verify accessibility to escape routes 	46 CFR 127.240
	100169	
	 Verify ventilation 	46 CFR 127.260
		46 CFR 127.260 46 CFR 131.515
69.	Verify ventilation	46 CFR 131.515

69

SOLAS 14 II-2/13.3.3 46 CFR 127.240 Verify routes are accessible SOLAS 14 II-2/13

Examine emergency lighting 46 CFR 129.440 & 131.525

46 CFR 112

Verify markings 46 CFR 131.840 SOLAS 14 III/11.5

70. Inspect mess deck and galley spaces

> · Verify sanitary conditions 46 CFR 131.515

• Verify operation of electric stove & 46 CFR 129.110 & .550 46 CFR 110.10-1(j) deep fryer overcurrent protection

•	Examine fire fighting equipment	46 CFR 132.220 SOLAS 14 II-2/10
	Examine chill box(s) alarms	46 CFR 113.45-5
•	Verify installation of both grab and sea rails on cooking equipment	46 CFR 130.220 IEEE 45/42.1.1
•	Verify ventilation	46 CFR 127.260 SOLAS 14 II-2/9.7.5.2.1
•	Examine condition of vents and ducts	46 CFR 127.220(b) MSM II/B.1.N.9
71. I	nspect paint locker(s)	
•	Verify fire protection equipment	46 CFR 132.310 SOLAS 14 II-2/10.6.3
•	Examine space construction material	46 CFR 127.220(c) SOLAS 14 II-2/9.2.3.3.2
•	Verify electrical installations	46 CFR 129.520(b)
•	Verify means to secure ventilation	46 CFR 127.250
	Lifesaving Equip	oment
72. I	nspect Emergency Position Indicating R	adio Beacon (EPIRB)
•	Verify registration	46 CFR 133.60(a) 47 CFR 80.1061(e)
•	Verify stowage	46 CFR 133.60(a)(2) SOLAS 14 IV/7.1.6
•	Verify hydro-static release expiration date	46 CFR 133.60(a)(2) SOLAS 14 IV/7.1.6
•	Verify battery date	46 CFR 131.575(e) MSM II/B.1.P.3.I(2)
•	Verify markings	SOLAS 14 III/9.2.3 IMO Res A.760(18)
•	Witness function test	MSM II/B.1.P.3.I(1)
73. I	nspect general emergency alarm systen	n
•	Verify location and operation of contact makers	46 CFR 129.530 46 CFR 113.25-5
•	Verify location and operation of audible signals	46 CFR 113.25-9 SOLAS 14 III/6.4.3
•	Verify location and operation of emergency red-flashing lights	46 CFR 113.25-10
•	Verify markings	46 CFR 113.25-20 46 CFR 131.805

•	Verify operation of Public Address system	46 CFR 113.50-5(c) SOLAS 14 III/6.4.2
•	Verify operation of loud speakers	46 CFR 113.50-15 SOLAS 14 III/6.4.3
•	Verify operations with emergency power source	46 CFR 113.25-6 SOLAS 14 III/6.4.2
74. Ins	spect line throwing equipment	
•	Verify stowage, quantity and type approval	46 CFR 133.170 46 CFR 160.031 & 160.040
•	Verify presence of appropriate messenger line	46 CFR 133.170(c)(2)(i) 46 CFR 133.170(c)(2)(ii)
•	Verify markings on primer cartridges	46 CFR 160.031-6 46 CFR 160.040-6
•	Verify inventory list and equipment	46 CFR 133.170(c)(1)
•	Verify presence of service and maintenance instructions	46 CFR 160.031-4(h) 46 CFR 160.040-4(h)
•	Verify markings	SOLAS 14 III/9.2.3 IMO Res A.760(18)
75. Ins	spect distress signals	
•	Verify type approval	46 CFR 133.60(b)(1) SOLAS 14 III/34
•	Verify quantity	46 CFR 133.60(b)(1) SOLAS 14 III/6.3
•	Verify expiration date	46 CFR 160.036-5 LSA Code 1.2.3
•	Verify stowage and markings	46 CFR 131.890 & 133.60(b)(2) SOLAS 14 III/6.3 & 9.2.3
76. Ins	spect life jackets	
•	Verify type approval	46 CFR 133.70(b) SOLAS 14 III/4
•	Verify quantity	46 CFR 133.70(b)(1) SOLAS 14 III/7.2.1
•	Verify stowage	46 CFR 133.70(b)(2) 46 CFR 133.70(d)
•	Verify markings	46 CFR 131.875 & 133.70(b)(3) SOLAS 14 III/7.2.1 & 9.2.3
•	Examine lights	46 CFR 133.70(b)(4) SOLAS 14 III/7.2.1
	74. Ins	 Verify operation of loud speakers Verify operations with emergency power source 74. Inspect line throwing equipment Verify stowage, quantity and type approval Verify presence of appropriate messenger line Verify markings on primer cartridges Verify inventory list and equipment Verify presence of service and maintenance instructions Verify markings 75. Inspect distress signals Verify type approval Verify quantity Verify expiration date Verify stowage and markings 76. Inspect life jackets Verify type approval Verify type approval Verify type approval Verify type approval Verify stowage Verify stowage Verify markings

•	Verify location and information for donning instructions	46 CFR 133.80(b)(5) SOLAS 14 III/35.2
•	Examine condition and suitability	46 CFR 133.45 46 CFR 160.006-2
77. In	spect work vests	
•	Verify type approval	46 CFR 131.710
•	Verify stowage	46 CFR 131.730
•	Examine condition and serviceability	46 CFR 131.740 MSM II/B.1.P.2.I
78. In	spect immersion suits	
•	Verify type approval	46 CFR 133.70(c) SOLAS 14 III/4
•	Verify quantity and size	46 CFR 133.70(c)(1) 46 CFR 133.70(c)(2)(ii)
•	Verify stowage	46 CFR 133.70(c)(2) & (d) SOLAS 14 III/32.3.4
•	Verify markings	46 CFR 131.875 & 133.70(c)(3) SOLAS 14 III/9.2.3
•	Examine lights	46 CFR 133.70(c)(4) SOLAS 14 III/32.3.2
•	Examine condition and suitability	46 CFR 133.45 46 CFR 160.171
79. In	spect life buoys	
•	Verify type approval	46 CFR 133.70(a) SOLAS 14 III/4
•	Verify quantity	46 CFR 133.70(a)(1) SOLAS 14 III/7.1.1.1
•	Verify stowage	46 CFR 133.70(a)(2) SOLAS 14 III/7.1.1.1
•	Verify markings	46 CFR 131.875 & 133.70(a)(3) SOLAS 14 III/7.1.4 & 9.2.3
•	Examine attachments and fittings	46 CFR 133.70(a)(4) SOLAS 14 III/7.1.2 & .3
•	Verify size/weight	46 CFR 160.050-4(e) SOLAS 14 III/7.1.1
•	Examine condition and suitability	46 CFR 133.45 46 CFR 160.006-2

80.	Ins	spect inflatable liferaft installations	
	•	Verify type approval	46 CFR 133.105(a)(1)(i) SOLAS 14 III/4
	•	Verify quantity	46 CFR 133.105(b) SOLAS 14 III/31.1.1.2
	•	Verify stowage	46 CFR 133.130 SOLAS 14 III/13
	•	Verify markings and symbols	46 CFR 131.865 & 160.151- 57(m) SOLAS 14 III/9.2.3
	•	Verify annual service dates	46 CFR 131.580 SOLAS 14 III/20.8.1
	•	Verify emergency instructions are posted	46 CFR 131.340 SOLAS 14 III/9
	•	Examine embarkation ladder	46 CFR 133.110(f) SOLAS 14 III/9.2.3
81.	Ins	spect lifefloat installations	
	•	Verify type approval	46 CFR 133.105(a)(4)
	•	Verify quantity	46 CFR 133.105(c)
	•	Verify stowage	46 CFR 133.105(b)
	•	Verify markings	46 CFR 131.870
	•	Verify emergency instructions are posted	46 CFR 131.340
	•	Examine embarkation ladder	46 CFR 133.110(f)
82.	Ins	spect Lifeboats	
	•	Verify type approval	46 CFR 133.105(a)(6) SOLAS 14 III/4
	•	Verify stowage	46 CFR 133.105(a)(6) 46 CFR 199.130
	•	Verify markings	46 CFR 131.855 SOLAS 14 III/9.2.3
	•	Examine equipment	46 CFR 199.175 LSA Code 4.4.8
	•	Examine condition	46 CFR 131.540 SOLAS 14 III/20.2
	•	Examine embarkation ladder	46 CFR 133.110(f) SOLAS 14 III/11

83. Inspect rescue boat			
 Verify type approval 	46 CFR 133.135 SOLAS 14 III/4, 14 & 31.2		
 Verify stowage 	46 CFR 133.140 SOLAS 14 III/14		
 Verify markings 	46 CFR 131.855 SOLAS 14 III/9.2.3		
Examine equipment	46 CFR 133.175 LSA Code 5.1.2		
 Verify condition 	46 CFR 131.540 SOLAS 14 III/20.2		
Examine embarkation ladder	46 CFR 133.110(f) SOLAS 14 III/17		
84. Inspect rescue platform(s)			
Examine condition	46 CFR 131.540		
 Verify crew training 	46 CFR 133.135(c)(1)		
 Witness recovery operation 	46 CFR 133.135(c)(2)		
85. Inspect davit(s) and appurtenances			
Examine condition	46 CFR 131.540 & 133.153 SOLAS 14 III/20.2		
 Verify operating instructions are posted 	46 CFR 133.90 SOLAS 14 III/9		
 Verify required maintenance has been conducted 	46 CFR 133.153 SOLAS III/20 .3, .6, .7 & .11		
86. Witness davit weight test			
Verify test weights	46 CFR 126.440 46 CFR 199.190(i)(5)		
Verify dynamic test of winch brake	46 CFR 199.190(i)(2) SOLAS 14 III/20.11.1.3		
 Verify operational test of lifeboat and rescue boat release gear 	46 CFR 199.190(i)(5) SOLAS 14 III/20.11.2.3		
 Inspect brake pads and stressed structural parts 	MSM II/B.1.P.2 & P.3 NVIC 04-07		
 Verify operational test of stored power system 	46 CFR 133.150(e) SOLAS 14 III/16.1		

Firefighting Systems

87.	Re	eview approved Safety Plan (Fire-Cont	rol Plan)
	•	Verify location and approval	46 CFR 127.110(a)(3) SOLAS 14 II-2/15.2.4
	•	Verify equipment installation to approved plan	46 CFR 131.945 SOLAS 14 II-2/15.2.4.1
	•	Verify use of international symbols	SOLAS 14 II-2/15.2.4 IMO Res A.952(23)
	•	Verify structural fire protection is identified	46 CFR 131.945 SOLAS 14 II-2/15.2.4.1
88.		spect areas for compliance with Structo quirements	ural Fire Protection (SFP)
	•	Confirm installation in accordance with approved Fire Safety Plan	46 CFR 127.110(a)(3) SOLAS 14 II-2/15.2.4
	•	Verify boundaries are maintained	46 CFR 127.280 46 CFR 127.220
	•	Verify no unapproved modifications	46 CFR 126.150
89.	Ins	spect fire boundary closures	
	•	Witness operation of local and remote controls of dampers and fire doors	46 CFR 129.110 & .540 46 CFR 111.103
	•	Confirm dampers and fire doors close during ventilation shutdowns for machinery and accommodation spaces	46 CFR 127.250 46 CFR 127.260
	•	Verify remote controls and dampers are clearly marked & fitted with open/closed indicators	46 CFR 131.896 46 CFR 131.899
90.	Ins	spect fire main and pump(s) - primary	and emergency
	•	Verify number	46 CFR 132.120(a) SOLAS 14 II-2/10.2.2.2.2
	•	Verify capable of providing adequate pressure	46 CFR 132.120(a) SOLAS 14 II-2/10.2.2.4.1
	•	Verify self priming arrangement	46 CFR 132.120(a)
	•	Verify fitted with gauge and relief valve(s)	46 CFR 132.120 (b) & (c) NVIC 06-72 Encl.1/I.B
	•	Verify location of controls and markings	46 CFR 130.420/430 46 CFR 129.220

	 Verify manifolds are labeled correctly 	46 CFR 132.110(b)
	 Verify materiel condition of system 	46 CFR 132.110/120
	 Verify operation of remote control(s) 	46 CFR 130.430 NVIC 06-72 Encl.1/I.C.2.4
91.	Inspect fire stations	
	 Verify number of hydrants 	46 CFR 132.130(a) 46 CFR 132.130(b)
	 Verify hoses meet required length, size, markings and quantity 	46 CFR 132.100 & .130(g), (k) & (n) SOLAS 14 II-2/10.2.3
	 Verify compliance with periodic hydro testing 	46 CFR 132.350(c)(3) SOLAS 14 II-2/14.2.2
	 Verify operation of valves at fire stations 	46 CFR 132.130(i) NVIC 06-72 Encl.1/I.C.2.3
	 Verify spanner 	46 CFR 132.130(f)
92.	Inspect portable fire extinguishers	
	 Confirm locations with approved Safety Plan (Fire Control Plan) 	46 CFR 131.945 SOLAS 14 II-2/15.2.4
	Verify servicing compliance	46 CFR 132.350(c)(1) SOLAS 14 II-2/14.2.2
	Verify installation & stowage	46 CFR 132.220 SOLAS 14 II-2/10.3.2
	 Examine condition of cylinder(s) and hose(s) 	46 CFR 132.350(c)(1) NFPA 10 Chapter 7
	 Verify type and quantity 	46 CFR 132.220 SOLAS 14 II-2/10.3.2
	 Verify markings 	46 CFR 131.835
	Confirm spare charges	46 CFR 132.220 SOLAS 14 II-2/10.3.3
93.	Inspect semi-portable fire extinguishers	
	 Confirm locations with approved Safety Plan (Fire Control Plan) 	46 CFR 131.945 SOLAS 14 II-2/15.2.4
	Verify servicing compliance	46 CFR 132.350(c)(1) SOLAS 14 II-2/14.2.2
	Verify installation & stowage	46 CFR 132.220 & .240 SOLAS 14 II-2/10.3.2
	 Examine condition of cylinder(s) and hose(s) 	46 CFR 132.350(c)(2)

•	Verify type(s) and quantity(s)	46 CFR 132.220 CVC Policy Ltr 18-04
•	Verify markings	46 CFR 131.835
94. In	spect fire axes	
•	Confirm locations with approved Safety Plan (Fire Control Plan)	46 CFR 132.360 Fire Control Plan
•	Verify markings	46 CFR 131.880
•	Verify quantity	46 CFR 132.360 SOLAS 14 II-2/10.1.1
•	Examine condition	46 CFR 131.590
95. In	spect fireman's outfit(s)	
•	Verify type approval	SOLAS 14 II-2/10.10.1 FSS Code 3.2.1
•	Verify stowage	SOLAS 14 II-2/10.10.3.1
•	Verify location(s) are marked on Safety Plan (Fire Control Plan)	SOLAS 14 II-2/15.2.4
•	Verify quantity and size	SOLAS 14 II-2/10.10.2 SOLAS 14 II-2/18.5.1.6
•	Verify condition	SOLAS 14 II-2/14.2
•	Verify spare bottles	SOLAS 14 II-2/10.10.2.5
96. In	spect International Shore Connection	
•	Confirm location with Safety Plan (Fire Control Plan)	Fire Control Plan
•	Verify gaskets and bolts are with the connection	SOLAS 14 II-2/10.2.1.7 FSS Code 2.2
•	Verify markings	IMO Res A.952(23) Fire Control Plan
97. In	spect fire detection system	
•	Determine applicability	46 CFR 130.400 SOLAS 14 II-2/1
•	Witness system test	46 CFR 130.480 SOLAS 14 II-2/7.3.2
•	Verify two sources of power	46 CFR 161.002-9 46 CFR 129.110 → 113.10-9
•	Verify operation of control unit's visual and audible alarms	46 CFR 161.002-8 SOLAS 14 II-2/7.2.2

	•	Verify markings	46 CFR 161.002-4 FSS Code 9.2.5.1.3 & 4
	•	Verify alarms sounds in required locations	46 CFR 161.002-10(b) SOLAS 14 II-2/7.4.2
98.	Ins	spect high pressure CO2 system(s)	
	•	Ensure safety precautions are implemented prior to servicing system	MSM II/C.2.I.5
	•	Verify servicing compliance	46 CFR 126.450 46 CFR 132.350(c)(2)(ii)
	•	Witness weighing of cylinders	46 CFR 132.350(c)(2)(i) NVIC 06-72 Encl.1/II.D.2.1
	•	Inspect stowage of cylinders	46 CFR 132.350(c)(2)(ii) SOLAS 14 II-2/10.4.3
	•	Examine materiel condition of system components	46 CFR 132.350(c)(2)(iii)
	•	Verify piping and nozzles are clear	46 CFR 132.350(c)(2)(i)
	•	Witness operational test of time delays, alarms, and shutdowns	46 CFR 132.350(c)(2)(iv)
	•	Verify markings and warning signs are posted	46 CFR 131.815825
	•	Verify operating instructions are posted	NVIC 06-72 Encl.1/II.D.2.4
99.	Ins	spect water mist system(s)	
	•	Verify DIOM	46 CFR 126.450 46 CFR 132.350(c)(2)(i)
	•	Witness manual operational test	DIOM Manual
	•	Witness automatic operational test	DIOM Manual
	•	Witness pump operations	DIOM Manual
100	.Ins	spect clean agent Fire extinguishing sy	vstem(s)
	•	Ensure system plan approval	46 CFR 162.161 NFPA 2001 Chapter 5
	•	Verify DIOM for installed system	46 CFR 162.161-5 DIOM Manual
	•	Verify servicing as outlined in DIOM	DIOM Manual
	•	Validate agent quantity and pressure of refillable cylinders	46 CFR 162.161 DIOM Manual

46 CFR 132.350(c)(2)(ii) Examine stowage of cylinders 46 CFR 147.60 46 CFR 147.67 Examine condition of cylinder(s) DIOM Manual and system hoses Verify piping and nozzles are clear DIOM Manual 46 CFR 132.350(c)(2)(iv) Witness functional test of time delays, alarms, and shutdowns DIOM Manual **DIOM Manual** Verify warnings signs, markings and operating instructions are posted **Dynamic Positioning System** 101. Check Dynamic Positioning operations 77 FR 62247 Verify master awareness of Federal Register Notice 77 FR 62247 MTS DP Ops Guide 2/4.9 Verify Critical Activity Mode of Operation (CAMO) is identified Verify operations are within an MTS DP Ops Guide 2/4.9 **Activity Specific Operating** Guideline (ASOG) Document findings in MISLE MSM II/A.3 Heli-Deck 102. Inspect helideck **NVIC 09-81** Verify visual aids and markings 46 CFR 108.241 Examine netting 46 CFR 108.235(e) · Verify height of obstructions 46 CFR 108.235(d)(4)

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Verify visual aids and markings
NVIC 09-81
46 CFR 108.241
Examine netting
Verify height of obstructions
Verify means of escape
Verify me

Verify foam agent 46 CFR 132.320 46 CFR 108.487
 Verify location(s) of hydrants 46 CFR 108.486 SOLAS 14 II-2/18.5.1.5

Verify annual tests reports
 MSM II/C.2.I.1
 NVIC 06-72 Ch.1

Examine equipment and condition
 Examine equipment for refueling facility
 46 CFR 99.17
 46 CFR 108.489(b) SOLAS 14 II-2/18.7

Machinery

104.Ins	spect steering gear		
•	Examine electrical, mechanical, and hydraulic connections and linkages of main and auxiliary (emergency) systems	46 CFR 126.430 MSM II/C.4.B	
•	Verify operation of communications between bridge and emergency steering station(s)	46 CFR 130.110 SOLAS 14 II-1/29.10	
•	Witness operational test of systems, in all modes of operation from emergency steering station(s)	46 CFR 130.130/140 SOLAS 14 II-1/29.3.2	
•	Verify accuracy of rudder angle repeaters	46 CFR 130.130(h) 46 CFR 130.140(b)(12)	
•	Verify markings and operating instructions	46 CFR 131.845 SOLAS 14 V/26.3.1	
•	Witness operational test of auxiliary steering arrangement	SOLAS 14 II-1/29.4.2	
•	Witness operational test of alarms	46 CFR 130.460(a) 46 CFR 58.25-25	
105.Ins	spect fuel oil service and transfer syste	m	
•	Verify transfer procedures are posted or available	46 CFR 131.935 33 CFR 155.720 & .740(c)	
•	Verify installation, arrangement and condition of piping, manifolds and filters	46 CFR 128.110 46 CFR 56.50-75	
•	Verify flange or mechanical joint(s) are fitted with a suitable shield	46 CFR 56.50-60(j) SOLAS 14 II-2/4.2.2.5	
•	Examine nonmetallic flexible hoses and fittings	46 CFR 56.50-75(b)(3) 46 CFR 56.50-70(b)(2)(i)	
•	Verify operation of transfer pump(s) and remote shutdown(s)	46 CFR 58.01-25	
•	Witness test of remotely operated fuel oil system valve(s)	46 CFR 56.50-60(d)	

106.Inspect main propulsion system(s)	
 Examine condition, installation and arrangements of various system components 	46 CFR 126.470 46 CFR 61.20-3(a)
 Examine foundations for structural integrity 	46 CFR 126.430
 Verify installation of protective covers or guards 	46 CFR 127.330
 Examine system's hull penetrations for structural integrity 	46 CFR 128.230 46 CFR 128.430
 Examine condition of air intakes screens and crankcase explosion relief valves 	46 CFR 126.430 46 CFR 58.05-1(a)
 Verify condition and integrity of propulsion shaft couplings 	46 CFR 126.430
107.Inspect non-metallic expansion joints	
Examine condition	46 CFR 128.110 46 CFR 61.15-12(a)
 Verify compliance with 10 year "in- service" requirement 	46 CFR 61.15-12(b) MSM II/B.3.F.3
108. Witness operational test of main propuls	sion automation
Determine applicability	46 CFR 62 46 CFR 128.110 & 130.400
 Verify no manual override devices not approved in test procedures 	46 CFR 130.480 46 CFR 62.30-10
 Witness operation of alarms, shutdowns, controls and internal communications (engineer assistance), IAW approved test procedure 	46 CFR 130.450 46 CFR 61.40
 Verify bridge controls/alarms function in sync with engineroom control panel 	46 CFR 130.460 46 CFR 61.40
109.Inspect Unfired Pressure Vessels (UPV	s)
 Verify data plate(s) are legible 	46 CFR 128.110 46 CFR 54.10-20
 Determine if UPV is exempt from inspection 	46 CFR 54.01-15

•	Verify external and/or an internal exam and/or hydrostatic test needs	46 CFR 61.10-5(b) 46 CFR 61.10-5(d)
•	Examine externally	46 CFR 61.10-5(b)(1)
•	Examine internally (when accessible)	46 CFR 61.10-5(b)(2) 46 CFR 54.01-35
•	Witness hydrostatic test	46 CFR 61.10-5(d) 46 CFR 61.10-5 (e)(4)
•	Verify installation and operation of pressure gauges	46 CFR 54.15-5(f)
•	Verify installation and operation of pressure-relieving devices	46 CFR 54.15-5 46 CFR 61.10-5(i)
110.lns	spect refrigeration/air conditioning syst	em(s)
•	Examine installation and condition	46 CFR 128.410
•	Verify compliance with MARPOL Annex VI	MARPOL VI/12
111.lns	spect bilge system	
•	Verify location and operation of pump(s)	46 CFR 128.440 46 CFR 56.50-55(a)
•	Verify emergency bilge suction	46 CFR 56.50-50(f)(3)
•	Examine manifolds, valves and piping	46 CFR 56.50-50(c) 46 CFR 56.50-50(d)
•	Verify bilge system pumping capabilities	46 CFR 56.50-50(a)(1)
•	Verify remote valve controls are fitted with nameplates	46 CFR 56.50-1(g)(2)(i)
•	Verify bilge suction(s) are fitted with strainer(s)	46 CFR 56.50-50(g)
•	Verify pollution placard is posted	46 CFR 131.935 33 CFR 155.450
112.lns	spect ballast system	
•	Verify method for compliance	33 CFR 151.2025(a) NVIC 01-18
•	Examine pump condition and operation	46 CFR 128.110 46 CFR 56.50-50
•	Examine manifolds, piping, and valve(s) arrangement and structural integrity	46 CFR 56.50-50(h)-(k)
•	Verify remote valve controls are fitted with nameplates	46 CFR 56.50-1(g)(2)(i)

Electrical Systems

	113.lns	spect switchboard(s)	
	•	Verify location, condition and installation	46 CFR 129.330 (a) 46 CFR 129.330 (b)
	•	Verify non-conductive handrail and matting or grating on deck	46 CFR 129.330 (c) 46 CFR 129.330 (g)
	•	Verify meters, controls and gauges are operational	46 CFR 129.320 (c)
114.Inspect ma		spect main service and propulsion gen	erator(s) and prime mover(s)
	•	Examine condition of components	46 CFR 126.470 46 CFR 61.20-3(a)
	•	Verify installation of machinery covers and guards	46 CFR 127.330
	•	Verify required gauges	46 CFR 129.320(c)
	•	Verify set point and operation of over speed shut-down	46 CFR 129.110 46 CFR 111.12-1(b)
	•	Verify set point and operation of lube oil shut-down	46 CFR 129.110 46 CFR 111.12-1(c)
	•	Verify set point and operation of high jacket water temperature alarm	46 CFR 130.460(a)(6)(ii)
	•	Verify operation of reverse power relays	46 CFR 129.323 46 CFR 111.12-11(f)
	•	Verify power source(s) requirements	46 CFR 129.310315 SOLAS 14 II-1/41
	•	Verify generator(s) nameplates are attached	46 CFR 129.329(d) ABS 4-2-1/1.1
	115.Ins	spect emergency generator(s) and prin	ne mover(s)
	•	Determine applicability	46 CFR 129.110 46 CFR 112.05-05
	•	Determine prime mover requirement	46 CFR 112.50-1 46 CFR 111.12-1
	•	Verify starting requirements	46 CFR 129.110 46 CFR 112.50-1
	•	Inspect starting system(s)	46 CFR 112.50-1(e) 46 CFR 112.50-1(k)
	•	Verify operation of auto-start function	SOLAS 14 II-1/43.3 46 CFR 112.50-1(d)

•	Examine condition	46 CFR 126.470 46 CFR 61.20-3(a)
•	Verify installation of machinery covers and guards	46 CFR 127.330
•	Verify operation of alarm(s)	46 CFR 112.50-1(h) or (i)
•	Verify gauges	46 CFR 129.320(c) ABS 4-2-1/7.17
•	Verify marking and operation of remote fuel shutoff valve(s)	46 CFR 128.110 46 CFR 56.50-60(d)
•	Verify set point and operation of over speed shut-down	46 CFR 129.110 46 CFR 111.12-1(b) & 112.50- 1(g)
116.In	spect emergency generator(s) and pri	ime mover(s)
•	Verify set point and operation of lube oil shut-down	46 CFR 129.110 46 CFR 111.12-1(c)
•	Verify generator nameplates attached	46 CFR 129.320(d)
117.ln:	spect battery installation	
•	Determine size	46 CFR 129.353
•	Verify ventilation	46 CFR 129.356 46 CFR 111.15-10
•	Verify secured	46 CFR 129.350 (b)
•	Verify space for maintenance and removal	46 CFR 129.350(c)
•	Verify means of charging	46 CFR 129.350 (f)
•	Verify operation of power ventilation interlock with charger	46 CFR 111.15-10(b)(4)
•	Verify connections	46 CFR 129.350 (d)
118.ln	spect motor controllers	
•	Verify installation	46 CFR 129.110 46 CFR 111.70-3
•	Verify marking(s)	46 CFR 129.110 46 CFR 111.70-3(d)(1)(vi)
•	Verify wiring diagram in enclosure	46 CFR 129.110 46 CFR 111.70-3(d)(2)
•	Verify drip-proof/watertight	46 CFR 129.210
•	Verify low voltage release motor controller for vital systems	46 CFR 111.70-3(b)

119.Inspect lighting system(s)/fixture(s)		
•	Verify lighting	46 CFR 129.110 46 CFR 111.75-15
•	Examine condition and installation of fixtures	46 CFR 129.410 46 CFR 111.75-20
120.ln	spect emergency lighting	
•	Verify location	46 CFR 129.110 & 46 CFR 112.05-5 46 CFR 111.75-15(c)(2)
•	Verify markings	46 CFR 131.840
•	Verify operation	46 CFR 129.440(b) & 46 CFR 111.75-15(c)(2) 46 CFR 131.525
•	Verify operation of embarkation station lighting	46 CFR 129.110 46 CFR 111.75-16
121.ln:	spect distribution panel(s)	
•	Verify location and drip proof	46 CFR 129.330
•	Examine condition and installation	46 CFR 129.200220
•	Verify blanks are installed	46 CFR 129.200(c)
•	Verify circuit directory	46 CFR 129.220(d)
122.ln	spect electrical cables and fixtures	
•	Verify supports for vertical and horizontal installations	46 CFR 129.340(b) 46 CFR 129.110
•	Verify radius of bends	46 CFR 129.340(b) IEEE 45/20.6
•	Verify no hazardous conditions exist	46 CFR 129.200220 46 CFR 111.60-17
•	Verify condition of outlets	46 CFR 129.220(c) 46 CFR 111.79-1
123.ln	spect components installed in designa	ted hazardous locations
•	Verify hazardous location(s)	46 CFR 129.520 46 CFR 111.105-9
•	Verify fixtures for hazardous location(s)	46 CFR 129.520 46 CFR 111.105-9 & -11
•	Verify integrity of system(s)	46 CFR 111.105-5

Structural & Watertight Integrity

☐ 124.Inspect hatches and Class-1 watertight doc		spect hatches and Class-1 watertight o	doors
	•	Verify condition of knife edges	46 CFR 125.140 & 127.230 46 CFR 42.15-10
	•	Verify condition of gasket material	MSM II/B.1.E.5
	•	Verify watertight integrity between gasket and knife edge	46 CFR 174.210 46 CFR 170.270
	•	Verify condition and operation of hinges and dogging devices	MSM II/B.1.E.5
	•	Verify design ,operation, installation and testing of quick-acting closing-device	46 CFR 174.210(c)(1) 46 CFR 170.270(a),(b) & (e)
	•	Verify operation of indicator lights at the control station	46 CFR 174.210(c)(3)
	•	Verify markings	46 CFR 174.210(d) 46 CFR 131.893
	•	Verify doors are installed in permissible locations	46 CFR 170.255
	125.Ins	spect Class 2 & 3 watertight doors	
	•	Verify operation of local controls	46 CFR 127.230 46 CFR 170.270(c)(2)
	•	Verify operation of remote controls	ASTM F1197/7.1
	•	Verify condition of replaceable interface between door and frame assembly	46 CFR 170.270(c)(1) ASTM F1196/6.3
	•	Verify operation of alarms	ASTM F1197/11.5
	•	Verify closing times are in compliance	ASTM F1197/11.2 & .4
	•	Verify markings	46 CFR 131.893 ASTM F1196/11.1
	•	Verify watertight integrity	ASTM F1196/S1
	•	Verify operation of doors under reserve power	46 CFR 170.270(c)(3) ASTM F1197/S3
	•	Verify watertight doors are installed in permissible locations	46 CFR 170.260 46 CFR 170.265

126.Inspect wat	ertight bulkhead penetration	s
 Verify lo 	cations	46 CFR 127.230 46 CFR 174.190
 Verify al 	oility to seal	46 CFR 128.230 46 CFR 56.50-1
 Verify se 	ealing material approval(s)	46 CFR 56.50-1(a)
127.Inspect hull	structure	
Examine fractures	e for damage, wastage and	46 CFR 126.430 MSM II/B.1.B.1
 Verify no 	unauthorized repairs	46 CFR 126.150
	Pollution Preven	ention
128.Inspect Oily	Water Separator (OWS)	
 Verify ap 	pproval	46 CFR 131.935 33 CFR 155.380
 Verify or closed 	verboard discharge valve is	33 CFR 151.10 MARPOL I/14
 Witness 	operation	33 CFR 155.380 MARPOL I/14 & IMO Res A.1120(30)
 Verify m 	eans to retain oily waste	33 CFR 155.330370 MARPOL I/14.35 & IMO Res A.1120(30)
129.Inspect sew	age system	
 Verify print instruction 	esence of manufacturer's ons	33 CFR 159.57
 Verify or 	peration	46 CFR 131.940 33 CFR 159.57 & IMO Res A.1120(30)
 Verify M (MSD) a 	arine Sanitation Device pproval	33 CFR 159.7 MSM II/B6.F.4
 Verify ca 	pacity	33 CFR 159.57(b)(8)
 Verify pi 	ping and wiring	33 CFR 159.97
 Verify in placard 	structions and warning posted	33 CFR 159.59

130.Conduct garbage handling (MARPOL Annex V) survey	
Verify plan compliance	46 CFR 131.935 33 CFR 151.51 & .57
 Verify handling of plastics 	33 CFR 151.55 MARPOL V/10.3
 Verify placards posted 	33 CFR 151.59 MARPOL V/10.1
131.Conduct an International Air Pollution Prevention (IAPP MARPOL VI) survey	
 Verify equipment/systems containing Chloro Flouro Carbons (CFCs), Hydro CFCs and Volatile Organic Compounds (VOCs) are on certificate 	MARPOL VI/12
 Verify presence of equipment on certificate and approvals 	MARPOL VI/4 IMO Res A.1120(30)
 Verify compliance with Emission Control Area (ECA) 	MARPOL VI/13 & 14 MARPOL VI/App-VII
 Review exhaust cleaning systems equivalency documentation 	MARPOL VI/4
 Review delivery notes 	MARPOL VI/18.5 & App V
 Verify samples 	MARPOL VI/18.8.1
 Verify compliance with NOx and SOx 	MARPOL VI/13 & 14 40 CFR 1043.30
 Review notification(s) of fuel oil availability and quality 	MARPOL VI/18.2.4
132.Conduct Vessel General Permit (VGP)	compliance verification
 Verify discharges are in compliance with VGP 	VGP 2.2.3.2 VGP 4.3
 Verify log entries 	VGP 4.1.1.1 VGP 4.2
133.Inspect pollution prevention equipment	
Determine applicability	46 CFR 131.935 MSM II/B.6.D.1
 Verify communication between participants in transfer operations 	33 CFR 155.785
 Verify transfer hoses tested and marked 	33 CFR 155.800 33 CFR 154.500

•	Verify locations of pollution/MARPOL placards	33 CFR 155.450
•	Verify condition of hose and manifold connections	33 CFR 156.170
•	Verify condition and size of containment (when applicable)	33 CFR 155.320 MSM II/B.6.D.6
•	Verify containment closures	33 CFR 156.120(n) 33 CFR 156.120(o)
•	Verify sufficient lighting	33 CFR 155.790
•	Verify signed copies of Declaration of Inspection are present	33 CFR 156.150(f) MSM II/B.6.E.6
134.Cd	onduct an IOPP (MARPOL Annex I) su	urvey
•	Verify applicability	46 CFR 131.935 33 CFR 151.03
•	Verify standard discharge connection(s)	33 CFR 155.430 MARPOL I/13
•	Verify oil record book entries	33 CFR 151.25 MARPOL I/17
•	Witness operational test of equipment	33 CFR 155.330380 MARPOL I/14
•	Verify piping and tank configuration	33 CFR 155.410430 MARPOL I/12
•	Confirm equipment installation matches international certificate	IOPP Certificate Supplement IMO Res A.1120(30)
	Topside Equip	ment
135.Ex	camine freeing ports and scuppers	
•	Verify no modifications	46 CFR 127.230 46 CFR 174.215
•	Verify unobstructed	46 CFR 42.15-60 46 CFR 42.15-70
136.Ex	xamine ground tackle and related equi	pment
•	Determine size of anchor(s) required	46 CFR 130.240 ABS 3-5-1
•	Verify operation of windlass	46 CFR 130.240 ABS 7-3-2/1.1.7
•	Verify operation of capstan	46 CFR 130.240 ABS 7-3-2/1.1.7

•	Examine condition of anchoring equipment	46 CFR 130.240 ABS 7-3-2/1.1.7
•	Verify anchors are deployable	46 CFR 130.240 ABS 7-3-2/1.1.7
137.Ins	spect mooring system and equipment	
•	Verify condition of bits, cleats, fairleads and winches	46 CFR 127.210 & 130.250 SOLAS 14 II-1/3-8.2
•	Verify mooring lines/wires sizes and condition	46 CFR 130.250 46 CFR 184.300
138.Ins	spect air ports, dead covers and natura	al vent openings
•	Verify covers are readily available and operational	46 CFR 127.250 46 CFR 125.140
•	Examine condition	46 CFR 126.430 46 CFR 42.15
•	Examine covers for proper fit and seal	46 CFR 42.15 ICLL I/23
139.Ins	spect tank vents	
•	Verify condition and location	46 CFR 128.110 46 CFR 56.50-85
•	Verify installation and condition of flame screens (when applicable)	46 CFR 56.50-85(a)(8) 46 CFR 128.450(b)
•	Verify permanently attached means for closing tank vents	46 CFR 56.50-85(a)(7)
•	Verify tank vents are fitted with insect screens	21 CFR 1250.82(c)
140.Ins	spect rails and guards	
•	Verify rail heights and courses	46 CFR 127.310 - 330 46 CFR 42.15-75
•	Verify storm rails	46 CFR 127.320 46 CFR 42.15-75
141.Ex	amine cranes	
•	Verify operation of controls, limits and stops	46 CFR 107.259 46CFR 126.130
•	Verify posting of load, rigger charts and control markings	46 CFR 109.525 API RP 2D
•	Verify condition of wire rope, hooks, sheaves and blocks	API RP 2D

•	Examine pedestal mounting	API RP 2D
	Examine hydraulic fittings and hoses	API RP 2D
	Verify boom angle indicator functions	API RP 2D
	Verify and Examine Crane Operator designation letter(s)	46 CFR 109.527(a)
142.Witı	ness 5-year load test on crane(s)	
•	Verify load test weight	46 CFR 126.130 46 CFR 107.260
	Verify third party certification or calibration of dynamometer (load cell)	46 CFR 107.259 API RP 2D
	Verify brake(s) hold with suspended load	API RP 2D
• '	Verify condition of hook	API RP 2D
	Cargo Syster	ns
143.Insp	pect liquid cargo transfer system(s)	
	Examine materiel condition of pump(s), manifold and piping	46 CFR 128.110 46 CFR 56.50-60
;	Verify electrical equipment is appropriate for application and location	46 CFR 129.520
	Verify pump(s) and controls are operational	46 CFR 129.110 46 CFR 111.70
	Verify operation of remote shutdown(s)	46 CFR 131.935 46 CFR 129.540
144.Exa	mine portable tank(s)	
• '	Verify tank(s) are approved	46 CFR 125.110(d)
•	Verify stowed and segregated	46 CFR 125.130 49 CFR 172.101
	Verify additional fire fighting equipment	46 CFR 132.370(a) 46 CFR 98.30-37
• '	Verify fill and discharge compliance	46 CFR 125.110 46 CFR 98.31-10
	Verify secured in accordance with vessel's cargo securing manual	46 CFR 125.110(d) 46 CFR 132.370

•	Verify materiel condition	49 CFR 176.340 49 CFR 173.32 & .241(c)
145. Verify compliance of packaged hazardous materials		us materials
•	Verify material is packaged, marked and labeled	46 CFR 125.130 49 CFR 176.3
•	Verify material is stored and segregated	49 CFR 176.63
146.Ins	spect remotely-operated valves and co	ontrols
•	Verify remote valve control(s) are fitted with name plates	46 CFR 56.50-1(g)(2)(i)
•	Verify valve operates freely	46 CFR 126.430
•	Verify remote control mechanisms function properly	46 CFR 126.430
•	Verify power-operated valve(s) can be operated from all control stations	46 CFR 128.240 46 CFR 56.50-60(d)(3)
	Emergency D	rills
147.Ev	valuate Fire Drill	
147.Ev	valuate Fire Drill Witness drill	46 CFR 131.535 SOLAS 14 III/19.2.1
147.Ev		
147.Ev	Witness drill	SOLAS 14 III/19.2.1 46 CFR 131.535(c)
147.Ev	Witness drill Verify crew's ability to organize Verify crew's familiarity with their	SOLAS 14 III/19.2.1 46 CFR 131.535(c) SOLAS 14 III/19.3.4.2.1 46 CFR 131.535(c)(5)
147.Ev	Witness drill Verify crew's ability to organize Verify crew's familiarity with their duties and use of equipment Verify firefighting gear is	SOLAS 14 III/19.2.1 46 CFR 131.535(c) SOLAS 14 III/19.3.4.2.1 46 CFR 131.535(c)(5) SOLAS 14 III/19.3.4.2.1 46 CFR 131.535(c)(5)
147.Ev	Witness drill Verify crew's ability to organize Verify crew's familiarity with their duties and use of equipment Verify firefighting gear is compatible and complete	SOLAS 14 III/19.2.1 46 CFR 131.535(c) SOLAS 14 III/19.3.4.2.1 46 CFR 131.535(c)(5) SOLAS 14 III/19.3.4.2.1 46 CFR 131.535(c)(5) SOLAS 14 III/19.3.4.2.3 46 CFR 131.535(c)(1)
•	Witness drill Verify crew's ability to organize Verify crew's familiarity with their duties and use of equipment Verify firefighting gear is compatible and complete Verify operation of alarms Verify effective communication with	SOLAS 14 III/19.2.1 46 CFR 131.535(c) SOLAS 14 III/19.3.4.2.1 46 CFR 131.535(c)(5) SOLAS 14 III/19.3.4.2.1 46 CFR 131.535(c)(5) SOLAS 14 III/19.3.4.2.3 46 CFR 131.535(c)(1) SOLAS 14 III/19.3.4.2.4 46 CFR 131.535(c)(1)
•	Witness drill Verify crew's ability to organize Verify crew's familiarity with their duties and use of equipment Verify firefighting gear is compatible and complete Verify operation of alarms Verify effective communication with master	SOLAS 14 III/19.2.1 46 CFR 131.535(c) SOLAS 14 III/19.3.4.2.1 46 CFR 131.535(c)(5) SOLAS 14 III/19.3.4.2.1 46 CFR 131.535(c)(5) SOLAS 14 III/19.3.4.2.3 46 CFR 131.535(c)(1) SOLAS 14 III/19.3.4.2.4 46 CFR 131.535(c)(1)

	10.050.101.500(1)(7)
 Evaluate crew's proficiency in handling and maneuvering th rescue boat (when applicable 	e SOLAS 14 III/19.3.3.6
Witness recovery of rescue b	
149.Evaluate Abandon Ship Drill	
Witness drill	46 CFR 131.530(b) SOLAS 14 III/19.3.3
 Verify general alarm and publi address announcements 	ic 46 CFR 131.530(b)(3)(i) SOLAS 14 III/19.3.3.1.1
 Verify crew's familiarity with assigned duties 	46 CFR 131.530(b)(3)(iii) SOLAS 14 III/19.3.3.1.2
 Evaluate crew and offshore workers are suitably dressed proficient in donning lifejacker and/or immersion suits 	
 Witness operation of davit launching lifeboat or rescue b 	46 CFR 131.530(b)(3)(vi) oat SOLAS 14 III/19.3.3.1.5
 Witness operation of lifeboat rescue boat engine 	or 46 CFR 131.530(b)(3)(vii) SOLAS 14 III/19.3.3.1.6
 Witness operation of davit launching liferafts 	46 CFR 131.530(b)(3)(viii) SOLAS 14 III/19.3.3.1.7
150.Evaluate Security Drill	
Review procedures contained security plan	l in 33 CFR 104.230(b)(2) ISPS Code A/9.4.4
Witness drill	33 CFR 104.230(a) SOLAS 14 XI-2/4.2
Evaluate crew's response	33 CFR 104.220 ISPS Code A/13.3
Verify control and communication	tion 33 CFR 104.245 ISPS Code A/7.2.7
 Verify implementation of plan procedures 	33 CFR 104.230(a) ISPS Code A/9.4

Hull Inspection

151.Inspect hull		
 Examine for wastage, defect(s), and damage 	46 CFR 126.140(a) 46 CFR 125.140	
 Examine stress areas (stringer plate, sheer plate, etc) 	NVIC 07-68 IV(B) MSM II/B.3.B	
 Examine seachest(s), strainers and emergency bilge suction and overboard discharges for wastage, defect(s), and damage 	46 CFR 61.20-5 NVIC 07-68 II(A)	
 Verify condition of drydock (bottom) plugs 	NVIC 07-68 II(A) MSM II/B.3.B	
 Verify wastage/corrosion is within limits 	NVIC 07-68 III(C) ABS 7-A-4/27	
 Ensure unsatisfactory condition(s) are resolved 	46 CFR 42.09-45 MSM II/B.3.B	
152.Inspect hull markings		
Verify placement of hull markings	46 CFR 131.210230 46 CFR 67.120 & 69.177	
 Verify markings are permanently affixed 	46 CFR 131.210230 46 CFR 67.121	
 Verify markings are of contrasting colors 	46 CFR 131.220(f) 46 CFR 42.13-40	
153.Inspect main propulsion propeller(s)		
Examine condition	46 CFR 126.470 46 CFR 61.20-5(a)	
 Verify locking nut is installed and secured 	46 CFR 58.01-5 ABS 7-4-1/1	
 Witness NDT of propeller coupling bolts and flange radius 	46 CFR 61.20-18(c) ABS 7-5-1/3.5	
154.Inspect tailshaft(s) and stern bearing(s)		
 Determine if tailshaft(s) need to be drawn 	46 CFR 126.470 & 61.20-17 46 CFR 58.01-5 & ABS 7-2-1/13	
 Verify bearing clearance, inboard seal assembly and record of lube oil analysis are within limits 	46 CFR 61.20-17(e) & 20-23(c) ABS 7-5-1/1 & 3	

Visually examine shaft	46 CFR 61.20-18(a) & .20-23(a) ABS 7-5-1/1 & 3
 Witness non-destructiv (NDT) of shaft's taper s keyway 	e testing 46 CFR 61.20-18(b)
 Verify condition and we strut bearing(s) 	eardown of MSM II/B.3.D.10
 Verify condition of blad on Controllable Pitch P (CPP) 	
155.Inspect rudder installation	
Verify type of assembly	vinstalled 46 CFR 128.110 & 58.01-5 ABS 3-2-14/1
Examine assembly	46 CFR 126.470 & 58.01-5 ABS 7-4-1/1
 Verify bearing clearance 	e(s) ABS 7-4-1/1
 Verify condition of pintl gudgeon(s), bushing(s) nut(s), and locking dev 	, pintle MSM II/B.3.E.2
 Verify condition of pintl nondestructive test (NI 	
 Verify tightness of rudo by pneumatic test 	er assembly ABS 7-4-1/1
156.Inspect hull appendages	
 Examine condition and integrity of bilge keel 	structural 46 CFR 126.470 46 CFR 58.01-5
 Examine condition of c or grid) 	oolers (keel 46 CFR 128.420430
 Examine condition of to and other similar appear 	
157.Inspect anchor chain(s) ar	d chain locker
Verify chain is marked	46 CFR 130.240 ABS 2-2-2/21
 Examine length of chair 	n ABS 7-3-2/5.1.4
Examine chain locker	NVIC 07-68 III(C) ABS 7-A-4/27
 Examine chain's pad e 	ye (holdfast) ABS 7-3-2/5.1.4
 Examine hawse pipe 	ABS 7-3-2/5.1.4

	158.Inspect sea valve(s)		
	•	Determine which are due for examination	46 CFR 126.470 46 CFR 61.20-5(b)
	•	Verify quantity and type	46 CFR 125.140 46 CFR 42.15–60(e)
	•	Verify that all sea valves are identified and are opened for examination	46 CFR 42.15–60(c) 46 CFR 56.50–95
	•	Examine external/internal components	46 CFR 61.20-5(b) 46 CFR 42.09-25(b)(4)
	159.Ins	spect non-propulsion thruster(s)	
	•	Examine propeller	46 CFR 128.110 & 58.01-5 ABS 7-4-1/1 & 7-9-6/1.3
	•	Examine thruster tunnel	46 CFR 125.140 & 127.210 46 CFR 42.09-30(b)
	•	Verify shaft seal or packing gland in place	ABS 7-4-1/1 & 7-9-6/1.3
160. Determine if vessel qualifies to participate in Un (UWILD)			e in Underwater Survey Program
	•	Review application	46 CFR 126.140(f) NVIC 01-89
	•	Examine condition of hull and protection system	NVIC 01-89 Encl.1/1.a
	•	Verify reference points	46 CFR 126.140(f)(3) NVIC 01-89 Encl.1/1.b
	•	Verify hinged gratings are installed on sea chest(s)	46 CFR 126.140(f)(4) NVIC 01-89 Encl.1/1.c
	•	Verify means for taking shaft- bearing and rudder-bearing clearances	46 CFR 126.140(f)(5)
	•	Review hull gauging report	46CFR 126.140 (g)(2) NVIC 01-89 Encl.1/3
	•	Review reference video	NVIC 01-89 Encl.1/1.d
	•	Forward application with OCMI's recommendation	MSM II/B.9.K.7 MSM II/G.2.V.6.a
	161.Ins	spect hull during an underwater survey	1
	•	Review vessel's application for (UWILD) drydocking examination	46 CFR 126.140(f) NVIC 01-89 Encl.1/2.a

•	Verify procedures to be followed	46 CFR 126.140(f)(1) 46 CFR 197.400
•	Verify suitability of location	46 CFR 126.140(f)(2) NVIC 01-89 Encl.1/5.c
•	Review reference plans and video	46 CFR 126.140(f)(3) NVIC 01-89 Encl.1/2.a(12)
•	Meet with vessel's representative and diving supervisor to discuss details of survey	NVIC 01-89 Encl.1/4
•	Verify vessel's representative submitted a signed letter of vessel's overall condition	46 CFR 126.140(f) NVIC 01-89 Encl.1/2.a(7)
•	Verify qualification of divers, type of diving equipment, and their nondestructive testing (NDT) and damage repair capabilities	46 CFR 126.140(f) NVIC 01-89 Encl.1/5.f
•	Verify all areas of the hull have been cleaned	NVIC 01-89 Encl.1/5.g
•	Witness underwater survey from a video monitor	NVIC 01-89 Encl 1/5.I

Internal Structural Exam

162. Verify confined spaces are safe for entry

_	,	
	Review Marine Chemist Certificate	29 CFR 1915.12(f) CIM 5100.47A 13.B.3
	 Verify Competent Person has maintained Marine Chemist Certificate 	29 CFR 1915.15 CIM 5100.47A 13.B.8
	 Verify no changes to vessel's condition 	29 CFR 1915.15(b)
	 Verify forced ventilation is provided 	29 CFR 1915.13(b)(3)
	 Verify condition of space access point 	29 CFR 1915.76
	163.Inspect internal structures	
	Examine internal structures	46 CFR 126.140(c) 46 CFR 125.140 & 42.09-30
	 Examine coamings, closures and other fittings 	46 CFR 42.09-25(b)(2) MSM II/B.3.B
	 Verify wastage discovered is within acceptable limits 	NVIC 07-68 III(C) ABS 7-A-4/27

Verify unsatisfactory condition(s) 46 CFR 42.09-45 are resolved

Welding Repair

164.Evaluate structural rep	air proposals	
 Evaluate extent of of wastage/corrosion 	damage and/or	46 CFR 125.140 & 42.09-45 46 CFR 127.210 & ABS 7-A-4/17
Review repair prop	osal	MSM II/A.1.F.2.a NVIC 07-68 IV
 Verify repair materi 	als	46 CFR 42.09-50(c) ABS 7-A-4/29
 Verify welding proc 	edures	46 CFR 42.09-50(c) 46 CFR 2.75-70
 Evaluate alternative for equivalency 	e repair methods	46 CFR 125.170 MSM II/A.1.F.2.c
165. Verify welding Procedu	re Qualification R	ecord(s) (PQR)
 Confirm need for que procedure 	ualified welding	46 CFR 2.75-70 46 CFR 128.110(a)
 Verify variables on Welding Procedure (WPS(s)) 		ASME IX/QW-200.1(b) ASME IX/QW-250
 Verify tests and res 	ults	ASME IX/QW-200.2(b)
166.Verify welder is qualified to perform repair work		ir work
 Confirm need for que procedure 	ualified welding	46 CFR 2.75-70 46 CFR 128.110(a)
 Verify Welder Perfo Qualification (WPQ 		ASME IX/QW-322.1
 Verify variables on 	WPQ(s)	ASME IX/QW-301.2 ASME IX/QW-301.4
 Verify tests are sati 	sfactory	ASME IX/Art III QW-300 series
167.Inspect fit-up		
 Examine material a fitted to approved jo 		46 CFR 127.210 ANSI/AWS D3.5-93
 Verify materials (ba 	se, filler, gas)	46 CFR 127.210 ABS 2-1-1/1.1
 Verify welding proc 	esses	46 CFR 127.210 ABS 2-4-1/1.7

168.Ins	spect back gouge	
•	Examine welds for defects (discontinuity)	46 CFR 127.210 ABS 2-4-1/5.9
•	Verify weld sequencing	NVIC 07-68 V(F) ANSI/AWS D3.5-93
•	Verify joints are cleaned between interpasses	NVIC 07-68 V(H) ABS 2-4-1/3.5
169.Ins	spect welds	
•	Examine welds for uniformity and reinforcement	46 CFR 127.210 ABS 2-4-1/5.15.1
•	Examine welds for defects (discontinuity)	ABS 2-4-1/5.15.1 NVIC 07-68 V(H)
•	Examine adjacent base metal for injurious arc strikes, spatter, undercut, overlap, slag and irregular and/or sharp edges	ABS 2-4-1/5.15.1
•	Verify workmanship through an nondestructive test	ABS 2-4-1/5.15.2 ABS 2-4-1/5.17
	Nondestructive 7	esting
	spect nondestructive testing (NDT) usi ethod	ng the liquid (dye) penetrant
•	Verify technician's qualification and certification	46 CFR 127.210 ABS 2-4-1/5.17
•	Witness application technique	ABS NDT Guide 6/5.5
•	Witness application procedures	ABS NDT Guide 6/5.7
•	Witness visible penetrant examination	ABS NDT Guide 6/7.5
•	Witness fluorescent penetrant examination	ABS NDT Guide 6/7.7
•	Evaluate test results or technician's report	ABS NDT Guide 6/9 & 11
171.lns	spect nondestructive testing (NDT) usi	ng the magnetic particle method
•	Verify technician's qualification and certification	46 CFR 127.210 ABS 2-4-1/5.17
•	Verify inspection technique	ABS NDT Guide 7/5.5
•	Verify equipment and magnetic field strength	ABS NDT Guide 7/5.7.1 & .2

 Witness application of visible magnetic particles 	ABS NDT Guide 7/5.7.3
 Witness application of fluorescent particles 	ABS NDT Guide 7/5.7.4
 Witness technician examine/interpret readings 	ABS NDT Guide 7/5.7 & 9
 Evaluate test results or review technician's report 	ABS NDT Guide 7/5.7 & 9
172.Inspect nondestructive testing (NDT) us or x-rays) method	ing the radiography (gamma rays
 Verify technician's qualification and certification 	46 CFR 127.210 ABS 2-4-1/5.17
 Verify inspection technique 	ABS NDT Guide 2/5.3
 Verify film identification markings 	ABS NDT Guide 2/5.5
 Verify radiography quality level 	ABS NDT Guide 2/5.7
 Verify image Quality Indicator (IQI) 	ABS NDT Guide 2/5.9
 Witness technician examine/interpret readings 	ABS NDT Guide 2/5.15
 Review technician's report 	ABS NDT Guide 2/9 & 11
173.Inspect nondestructive testing (NDT) us	ing the ultrasonic method
 Verify technician's qualification, certification and techniques 	46 CFR 127.210 ABS 2-4-1/5.17
 Verify calibrate block's material and thickness 	ABS NDT Guide 5/3.5
 Verify type of equipment/instrument used 	ABS NDT Guide 5/3.7
 Verify equipment is calibrated 	ABS NDT Guide 5/3.9
 Witness technician examine/interpret readings 	ABS NDT Guide 5/3.11
 Evaluate test results or review technician's report 	ABS NDT Guide 5/3.13
174.Inspect nondestructive testing (NDT) us (Pressure Vessels)	ing the hydro-static method
Verify requirement for test	46 CFR 126.470 46 CFR 54.10-10(a)
 Verify ready for testing 	46 CFR 54.10-10(b)
 Verify air has been purged 	46 CFR 54.10-10(b)
 Verify piping components are isolated 	46 CFR 54.10-10(b)

Verify test pressure	46 CFR 54.10-10(b) 46 CFR 54.10-20
 Verify test pressure is attained and maintained 	46 CFR 54.10-10(c)
 Witness test 	46 CFR 54.10-10(c)
175.Inspect nondestructive testing (NDT) usi Systems)	ing the hydro-static method (Piping
 Verify test pressure of nonstandard piping components 	46 CFR 126.470 46 CFR 56.97-5
 Verify system is ready for testing 	46 CFR 56.97-25
 Verify air has been purged 	46 CFR 56.97-30(a)
 Verify test medium 	46 CFR 56.97-30(b)
 Verify piping components are isolated 	46 CFR 56.97-30(c)
 Verify test pressure 	46 CFR 56.97-30(e) & (f)
 Witness test 	46 CFR 56.97-30(d)
 Verify test pressure is attained and maintained 	46 CFR 56.97-30(g)
 Verify pressures for Installation tests 	46 CFR 56.97-40
176.Inspect nondestructive testing (NDT) usi and Bulkheads)	ing the hydro-static method (Tanks
 Verify tanks/space is ready for testing 	46 CFR 127.210 ABS 3-7-1/3.5.4(a) & (b)
 Verify test medium being used 	ABS 3-7-1/3.5.4(a) & (b)
 Verify piping components are isolated 	ABS 3-7-1/3.5.4(a) & (b)
 Verify test pressure 	ABS 3-7-1/3.5.4(a) & (b)
 Witness test 	ABS 3-7-1/3.5.4(a) & (b)
177.Inspect nondestructive testing (NDT) usi (Pressure Vessels)	ing the pneumatic method
Determine suitability for test	46 CFR 126.470 46 CFR 54.10-15(a) & (b)
 Ensure all safety precaution are taken 	46 CFR 54.10-15(g)
 Verify test pressure 	46 CFR 54.10-15(c)
 Witness gradual pressure increase 	46 CFR 54.10-15(d)
	* *

178.Inspect nondestructive testing (NDT) using Systems)	ing the pneumatic method (Piping
 Verify test medium and 	46 CFR 126.470
temperature	46 CFR 56.97-35(b)
 Verify piping components are isolated 	46 CFR 56.97-35(c)
 Verify test pressure 	46 CFR 56.97-35(f) & (g)
 Witness gradual pressure increase 	46 CFR 56.97-35(d)
 Verify test pressure is attained and maintained 	46 CFR 56.97-35(h)
 Witness test 	46 CFR 56.97-35(e)
179.Inspect nondestructive testing (NDT) usi method (Tanks and Bulkheads)	ing the tank air test (pneumatic)
 Verify tanks/space is ready for testing 	46 CFR 127.210 ABS 3-7-1/3.5.4(d)
 Verify piping components are isolated 	ABS 3-7-1/3.5.4(d)
 Verify test pressure 	ABS 3-7-1/3.5.4(d)
 Verify presence of leak indicating solution 	ABS 3-7-1/3.5.4(d)
 Verify calibration of means to measure pressure 	ABS 3-7-1/3.5.4(d)
 Witness initial test 	ABS 3-7-1/3.5.4(d)
 Witness secondary test 	ABS 3-7-1/3.5.4(d)
180.Inspect nondestructive testing (NDT) usi and Bulkheads)	ing the hose test method (Tanks
 Verify tanks/space is ready for testing 	46 CFR 127.210 ABS 3-7-1/3.5.4(c)
 Verify nozzle size 	ABS 3-7-1/3.5.4(c)
 Verify water pressure 	ABS 3-7-1/3.5.4(c)
 Verify nozzle distance from joints/seams during test 	ABS 3-7-1/3.5.4(c)
 Witness test 	ABS 3-7-1/3.5.4(c)
181.Inspect nondestructive testing (NDT) usi (Tanks and Bulkheads)	ing the vacuum box method
 Verify tanks/space is ready for testing 	46 CFR 127.210 ABS 3-7-1/3.5.4(f)
 Verify condition of gauge and injector 	ABS 3-7-1/3.5.4(f)

Verify presence of leak indicating solution
 Verify test gauge pressure
 Witness test
 ABS 3-7-1/3.5.4(f)
 ABS 3-7-1/3.5.4(f)

Follow-Up

	•	
	erify vessel compliance with the Interna ode	ational Safety Management (ISM)
•	Verify Master's responsibilities, authorities and over-riding authority	33 CFR 96.250 SOLAS 14 IX/3.1
•	Verify maintenance program for vital equipment	33 CFR 96.250 ISM Code A/10.3
•	Verify compliance of Safety and Environmental Policy	33 CFR 96.250 ISM Code A/2
•	Verify record keeping compliance	33 CFR 96.220(a)(3) ISM Code A/10.2.4
•	Verify company responsibilities and authority are defined.	33 CFR 96.250 ISM Code A/3
•	Verify crew can identify and contact information of designated person(s) ashore	33 CFR 96.250 ISM Code A/4
•	Review audit documentation and ensure follow-up actions	33 CFR 96.250 ISM Code A1.4.6, A/9
183.lss	sue deficiencies	
•	Determine deficiency's reference cite	46 USC 3313(b) MSM II/A.2.C.4.b
•	Discuss deficiencies and corrective measures/timeframe with vessel's master or representative	MSM II/A.2.C.2
•	Issue signed CG-835V to vessel's master or representative	MSM II/A.2.C
•	Make entry on the Vessel Inspection Record (CG-2832)	MSM II/A.3.Q
184.lss	sue/Endorse vessel's certificates	
•	Issue/Endorse certificates, as applicable	46 CFR 126.510(a)(2) SOLAS 14 I/12

MSM I/12.E.7

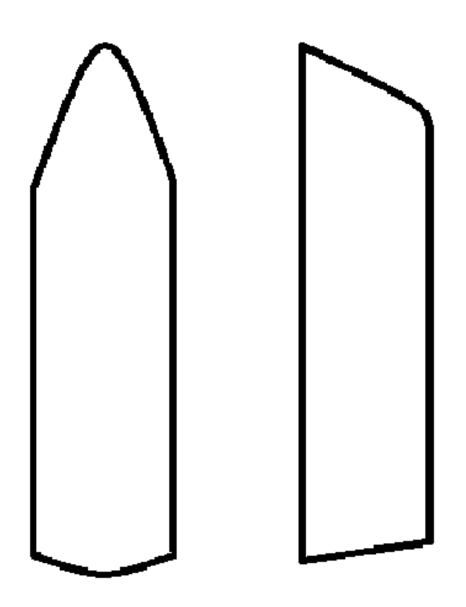
• Obtain a copy of all endorsed

certificates for the unit's vessel file

185.Cd	omplete MISLE Activity	
•	Open existing activity in MISLE	MSM I/12.G.2.a IMO Res A.1120(30)
•	Update inspection results	MSM I/12.H.1 MSM II/A.2.C.2.d
•	Update activity narrative	MSM I/12.H.1 MISLE User Guide
•	Update vessel details	MSM I/12.H.1 MISLE User Guide
•	Amend Certificate of Inspection	MSM I/12.H.1 MISLE User Guide
•	Print new or amended Certificate of Inspection and Deficiency Letter	MSM II/A.2.C.6 & II/A.3 MISLE User Guide
•	Change activity status to "Open - Submitted for Review"	MSM I/12.H.1 IMO Resolution A.1120(30) Survey Guidelines Under the Harmonized System of Survey and Certification (HSSC), 2017
186.Ve	erify deficiency corrections	
•	Determine an appropriate verification method for identified deficiency(s)	MSM II/A.2.C.4
•	Verify correction(s) meet appropriate regulations	MSM II/A.2.C.4.a
•	Clear deficiency(s) in MISLE activity	MSM II/A.2.C.2.d MISLE User Guide
•	Remove control action	MISLE User Guide
187.Er	nsure completion of drydock examinati	on
•	Verify completions of all repairs Issue amended Certificate of Inspection or amendment Endorse SOLAS Cargo Safety	MSM II/A.2.C MPS-PR-SEC-05 SOLAS 14 I/10
	Construction Certificate	

Appendices

Vessel Layout:



Recommended U.S. Vessel Deficiency Procedures:

Step	Action							
1	Identify deficiency							
2	Inform vessel representative							
3	Record on the Deficiency Summa	Record on the Deficiency Summary Worksheet (next page)						
4	If deficiency is corrected prior to e	end of inspection, go to step 6						
5	If deficiency is unable to be corre issue CG-835V in accordance wi							
	IF deficiency:	THEN issue CG-835V:						
	Does NOT immediately impact crew/offshore worker safety, hull seaworthiness or the environment, e.g.,	That provides a specific time for correcting deficiency, e.g.,						
	Missing placards Non-metallic expansion joints if more than 10 years in service "X" number of days At next drydock							
	Allows Vessel operations to be MODIFIED to meet less stringent requirements, e.g., That restricts operation of vessel to meet current vessel conditions, e.g.,							
	 Expired international certificates Automation defect Insufficient lifesaving equipment Reduced route Increased crew Fewer offshore workers 							
	DOES immediately impact crew/offshore worker safety, hull seaworthiness, or the environment and cannot be modified to meet less stringent requirements, e.g.,							
	Missing or defective firefighting equipment Structural defect or damage	Prior to carrying offshore workers Prior to carrying cargo						
6	Enter CG-835V data in MISLE							

Deficiency Summary Worksheet:

Name of Vessel	
Deficiency	Req't. Issued/ Date Cleared

Notes:			

Notes:				
		<u></u>	 	<u></u>

Notes:				
		<u></u>	 	<u></u>

Conversions:

Distance and Energy									
Kilowa	tts (kW	')	Х	1.341	=	Hor	sepower	(hp)	
Feet (ff	t)		Χ	3.281	=	Met	ers (m)		
Long T	on (LT)	Χ	.98421	=	Met	ric Ton (t)	
Liquid (NOTE: Values are approximate)									
Liqu	ıid		bbl/LT		m³/t	bb	l/m³		bbl/t
Freshw	vater		6.40		1.00	6	.29		6.29
Saltwa	ter		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 C	Dil		7.66		1.20	7	.54		9.05
Weig	ht								
1 Long Ton = 2240 lbs		40 lbs		1 Metric Ton	=	2204 lb:	s		
1 Short Ton =		= 20	00 lbs		1 Cubic Foo	t =	7.48 ga	l	
1 Barrel (oil)			61 ft = 42 gal = 29 m ³	1 psi			= .06895 Bar = 2.3106 of water		2.3106 ft
Temp	peratu	u re : Fa	hrenheit = Ce	elsius	(°F = 9/5 °C	C + 32	and °C =	5/9 (°	°F – 32))
0	=	-17.8	80	=	26.7		200	=	93.3
32	=	0	90	=	32.2		250	=	121.1
40	=	4.4	100	=	37.8		300	=	148.9
50	=	10.0	110	=	43.3		400	=	204.4
60	=	15.6	120	=	48.9		500	=	260
70	=	21.1	150	=	65.6		1000	=	537.8
Press	sure:	Bars =	Pounds per s	squar	e inch				
1 Bar	=	14.5 ps	i 5 Bars	=	72.5 psi		9 Bars	=	130.5 psi
2 bars	=	29.0 ps	i 6 Bars	=	87.0 psi		10 Bars	=	145.0 psi
3 Bars	=	43.5 ps	i 7 Bars	=	101.5 psi				
4 Bars	=	58.0 ps	i 8 Bars	=	116.0 psi				