

United States Coast Guard



**FOREIGN MOBILE OFFSHORE DRILLING UNIT
EXAMINER
Job Aid**

Name of Vessel		Flag <input type="checkbox"/> No Change	
IMO Number		Case Number	
Date Completed	Priority	Points	
Location			
Vessel Built in Compliance with SOLAS: 60 74 74/78 NA			
Coastal State Examiners or Port State Control Officers			
1. _____	5. _____		
2. _____	6. _____		
3. _____	7. _____		
4. _____	8. _____		

Job Aid FMUE
Rev. Aug 2014

Use of Foreign Mobile Offshore Drilling Unit Exam Book:

This examination book is intended to be used as a job aid by Coast Guard coastal state examiners (>12NM) and port state control officers (≤ 12NM) during boardings of foreign-flagged mobile offshore drilling units. Each book contains an extensive list of possible examination items. It is not, however, the Coast Guard's intention to "inspect" all items listed. As a coastal/port state responsibility, examiners must verify that the vessels and their crews are in substantial compliance with international conventions and applicable US laws. The depth and scope of the examination must be determined by the examiners based on their observations.

This PQS workbook cites SOLAS regulations from the 2009 Consolidated Edition (SOLAS 09). In some cases, the regulations in SOLAS 09 may not apply due to the keel laid date of the vessel. Examiners must pay close attention to the applicability dates of the SOLAS chapters and regulations when conducting exams.

This document does not establish or change Federal laws or regulations. References given are only general guides. Refer to IMO publications, CFR's, the Foreign Mobile Offshore Drilling Unit Examiner Training Aid, NVIC's, and any locally produced cite guides for specific regulatory references.

NOTE: *Guidance on how to examine foreign mobile offshore drilling units can be found in MSM Volume II, Section G: Procedures Applicable to MODUs (Foreign).*

Guide to Examinations:

Pre-inspection Items

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

Post-inspection Items

- Issue letters/certificates to vessel
 - Form A
 - Form B
 - COC
- Complete MISLE entries within 48 hours

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Section 1: Administrative Items

IMO Applicability Dates:

Reference	Dates
1974 SOLAS (2009 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 (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 OCT 94
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 MAY80
<p>Note: This is a general application and shows what SOLAS publications you may need for specific keel laid dates. Chapters I, IV, V, VI, VII, VIII, IX, X, XI-1, XI-2, & X/I are considered ALL SHIP chapters.</p>	

Conversions:

Distance and Energy				
Kilowatts (kW)	X	1.341	=	Horsepower (hp)
Feet (ft)	X	3.281	=	Meters (m)
Long Ton (LT)	X	.98421	=	Metric Ton (t)
Liquid (NOTE: Values are approximate.)				
Liquid	bb/LT	m ³ /t	bb/m ³	bb/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 ³ = 42 gal = 6.29 m ³	1 psi	= .06895 Bar = 2.3106 ft of water
Temperature: Fahrenheit = Celsius (°F = 9/5 °C + 32 and °C = 5/9 (°F – 32))				
0	=	-17.8	80	= 26.7
32	=	0	90	= 32.2
40	=	4.4	100	= 37.8
50	=	10.0	110	= 43.3
60	=	15.6	120	= 48.9
70	=	21.1	150	= 65.6
200	=	93.3	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

Notes: _____

<p>74 SOLAS 2009 Consolidated contains all amendments entered into force up-to 01 Jul 09. The following Amendments (resolutions) have entered into force since it was published. www.imo.org</p> <p>MSC 256(84)</p> <p>MSC 257(84)</p> <p>MSC 201(81)</p> <p>MSC 216(82) Annex 3</p> <p>MSC 269(85) Annex 1</p> <p>MSC 269(85) Annex 2</p> <p>MSC 282(86)</p> <p>MSC 283(86) Annex 2</p> <p>MSC 290(87)</p> <p>MSC 291(87)</p> <p>MSC 308(88)</p> <p>MSC 317(89)</p>	<p>01 JAN 10</p> <p>01 JAN 10</p> <p>01 JUL 10</p> <p>01 JUL 10</p> <p>01 JUL 10</p> <p>01 JAN 11</p> <p>01 JAN 11</p> <p>01 JAN 11</p> <p>01 JAN 12</p> <p>01 JAN 12</p> <p>01 JUL 12</p> <p>01 JAN 13</p>
<p>FSS Code (2007 edition) The following Amendments (resolutions) have entered into force since it was published. www.imo.org</p> <p>MSC 206(81)</p> <p>MSC 217(82)</p> <p>MSC 292(87)</p> <p>MSC 311(88)</p>	<p>01 JUL 10</p> <p>01 JUL 10</p> <p>01 JAN 12</p> <p>01 JUL 12</p>
<p>LSA Code (2010 edition) The following Amendments (resolutions) have entered into force since it was published. www.imo.org</p> <p>MSC 293(87)</p> <p>MSC 320 (89)</p>	<p>01 JAN 12</p> <p>01 JAN 13</p>
<p>ISPS Code (2003 edition) The following Amendments (resolutions) have entered into force since it was published. www.imo.org</p> <p>MSC 196(80)</p>	<p>01 JAN 09</p>

Involved Parties & General Information:

Owner's Agent
Individual
Phone Number

Charterer's Agent
Individual
Phone Number <input type="checkbox"/> Same as Owner's Agent

Owner—Listed on DOC or COFR
<input type="checkbox"/> No Change

Operator
<input type="checkbox"/> No Change

IMMEDIATELY LEAVE ANY CONFINED SPACE IF:

- A personal monitor alarms;
- You feel dizzy or lightheaded;
- The forced air ventilation stops or is apparently ineffective; or
- If you sense any unexpected chemical through smell or dermal sensation that concerns you. This is a judgment call; however, you should depart any time there is a burning sensation in your lungs or you experience a shortness of breath. Any of these sensations may indicate a life threatening situation and you must react promptly to avoid injury.

Note: Climbing (other than on ladders) shall be limited to 5ft.

Steps to Take After Entry for All Confined Spaces

- Immediately contact your chain of command if you left a confined space for any of the reasons noted above. Do not reenter any confined space until notification of appropriate senior personnel and direction from your supervisor is obtained.
- Report any inconsistencies in the marine chemist certificate or competent person log to your supervisor and follow-up with a letter to Commandant CG-1134 via your District (industrial hygienist).
- In the event of overexposure, personnel should be evacuated to appropriate medical facilities by the most expeditious means. Medical personnel should be provided with all known information on the suspected exposure, including concentration and duration of exposure. This should include the most probable route of exposure. Also provide the medical authority with the phone number to American Toxic Substance and Disease Registry (ATSDR).

Examples (not limited to) of non-confined spaces that may pose a hazard on gas carriers:

<u>Non-confined spaces that may pose a risk (All vessel types)</u>	<u>Possible Hazard(s)</u>	<u>Safe Work Practice</u>
CO ₂ Storage Room	O ₂ deprivation due to leaking CO ₂	Ensure proper ventilation, wear O ₂ meter
Machinery Spaces	Noise, Flammability, Toxicity; MSDs – H ₂ S	Hearing protection
Flammable Storage Lockers/Paint Rooms	Flammability, Toxicity	Ensure proper ventilation
Battery Room	Toxicity -	Ensure proper ventilation
Bosun Shop	O ₂ deprivation	Ensure proper ventilation
Workshops	Toxicity from welding fumes, Flammability, Noise	Ensure proper ventilation
Provisions/Non-Flammable Storage	O ₂ deprivation	Ensure proper ventilation
Open Cargo Deck	Flammability	Ensure use of intrinsically safe radios, flashlight, phone, etc.

Vessel Information:

Classification Society	
ISM Issuer: Same as above? <input type="checkbox"/> Yes <input type="checkbox"/> No If not the same, which Recognized Organization? _____	
<i>NOTE: The period of validity for ISM documents should correspond to the following list. If they do NOT, ISM documents should be further investigated.</i>	
<input type="checkbox"/> 5 years = Full term (SMS and DOC)	<input type="checkbox"/> 12 months = Interim (DOC)
<input type="checkbox"/> 6 months = Interim (SMC)	<input type="checkbox"/> 5 months = Short term (SMC)
Last Drydocking Date	Next Drydocking Date
Location of Last Drydocking	
Date of Last Class Survey	
<input type="checkbox"/> Outstanding conditions of class or non-conformities	
Last Port of Call	Next Port of Call
Method of Construction <input type="checkbox"/> I <input type="checkbox"/> II <input type="checkbox"/> III	Conversions / Modifications
Call Sign	<input type="checkbox"/> No Change
Gross Tons	<input type="checkbox"/> No Change
Built Date (use delivery date)	<input type="checkbox"/> No Change
Overall Length (in feet)	<input type="checkbox"/> No Change

Vessel Description:

- Passenger Vessel Ferry
 Ro-Ro Passenger Vessel Other

Section 2: Certificates and Documents

Name of Certificate	Issuing Agency	ID #	Port Issued/ Country	Issue Date	Exp. Date	Endors. Date
Certificate of Registry <input type="checkbox"/> No Change						
Certificate of Compliance (COC) <input type="checkbox"/> No Change						
MODU Code Construction & Equipment Certificate <input type="checkbox"/> No Change						
Classification Document <input type="checkbox"/> No Change						
Certificate of Financial Responsibility (COFR) <input type="checkbox"/> No Change	USCG					
Cargo Ship Safety Construction <input type="checkbox"/> No Change						

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Examples (not limited to) of confined spaces:

Confined Spaces	Hazard ²⁾
Voids/Cofferdams ¹⁾	P- O; S- F,T
Sealed Compartments ¹⁾	P- O; S- F,T
Double Bottoms/Sides/Duct Keels ¹⁾	P- O; S- F,T
Spaces Coated with a Preservative ¹⁾	P- O; S- F,T
Engine Crankcases/Scavenging Spaces ¹⁾	P- O; S- F,T
Large Heat Exchangers ¹⁾	P- O; S- F,T
Fuel/Lube Oil/Sludge Tanks ¹⁾	P- F,T; S- O
Water tanks ¹⁾	P- O; S- F,T
Cargo/Slop Tanks ¹⁾	P- O; S- F,T
Pump Rooms (if provided) ³⁾	P- O; S- F,T

1) Port State Control Officers should not attempt to enter any of the above spaces during a standard PSC examination, other than pump rooms. There may be reason to enter one or more of these spaces during the exam if there are clear grounds to do so, but only enter these spaces after ensuring they are safe for entry. Review the safe work practices contained in MSM Vol. 1, chapter 10, Appendix A for entry into confined spaces other than pump rooms.

**2) Hazards – P (Primary);
S (Secondary);
O (Oxygen Deprivation);
F (Flammability);
T (Toxicity)**

Confined Space Entry Checklist

Sources for Policy

- COMDTINST M5100.47, Chapter 6, change 11
- MSM Vol. 1, Chapter 10 & Appendix A, C, D to chap. 10
- MSM Vol. 2 Ch. 1, Section D, Chapter 6
- 29 CFR 1915, Part B

A Confined Space for the purpose of this checklist is:

A space that possess all of the following three distinct characteristics –

1. Is large enough and so configured that an employee can bodily enter & perform assigned work;
2. Has limited or restricted means for entry or exit; and
3. Is not designed for continuous employee occupancy

Hazards associated with confined space entry

- Oxygen deficient or enriched atmosphere
- Flammable atmosphere
- Toxic atmosphere
- Extreme temperature (hot or cold)
- Engulfment hazard (such as grain, coal, sand, gypsum or similar material)
- Extreme noise
- Slick / wet surfaces & tripping hazards
- Falling objects
- Potential for rapidly changing atmosphere

USCG Confined Space Entry Requirement

A certified Marine Chemist shall conduct the initial inspection & certify all confined spaces on merchant vessels “Safe for Workers” before entry by USCG personnel.

In rare circumstances, if a Marine Chemist is not available, the OCMI may designate a USCG Competent Person to certify a confined space “Safe for Workers”

Name of Certificate	Issuing Agency	ID #	Port Issued/ Country	Issue Date	Exp. Date	Endors. Date
Cargo Ship Safety Equipment <input type="checkbox"/> No Change						
Cargo Ship Safety Radio <input type="checkbox"/> No Change						
International Load Line (ILLC) <input type="checkbox"/> No Change						
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 (ISSC) <input type="checkbox"/> No Change						

Name of Certificate	Issuing Agency	ID #	Port Issued/ Country	Issue Date	Exp. Date	Endors. Date
Continuous Synopsis Record (CSR) <input type="checkbox"/> No Change						
Minimum Safe Manning (MSM) <input type="checkbox"/> No Change						
International Oil Pollution Prevention (IOPP) <input type="checkbox"/> No Change						
International Sewage Pollution Prevention (ISPP) <input type="checkbox"/> No Change						
International Air Pollution Prevention (IAPP) <input type="checkbox"/> No Change						

Detention Information:

NOTE: Complete prior to recommendation.

- Verify owner (from DOC or COFR), operator, and mailing address.
- Verify owner's agent.
- Verify last and future drydock dates and locations.
- If dual classed, who will respond?

- Which agency issued the documents that have major problems?

- What is the date of the last survey conducted for those items that have problems?

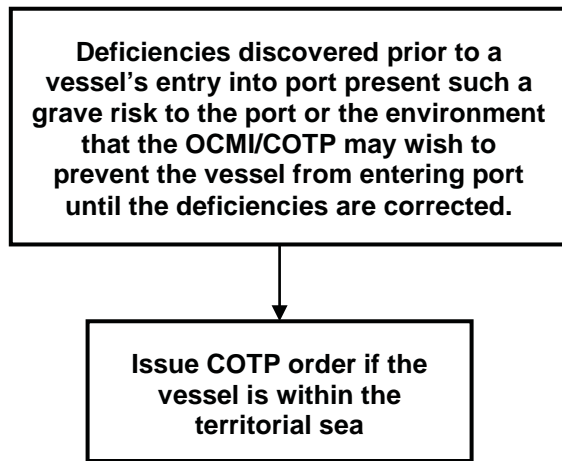
- What are the vessel's plans to deal with the problems?

- What is the crew's attitude toward the problems?

- Is the detention ISM related? If so, include ISM certification information in the Detention Report to CG-CVC-2

Notes: _____

Requiring Corrective Measures Prior to Entry



Examples include the following:

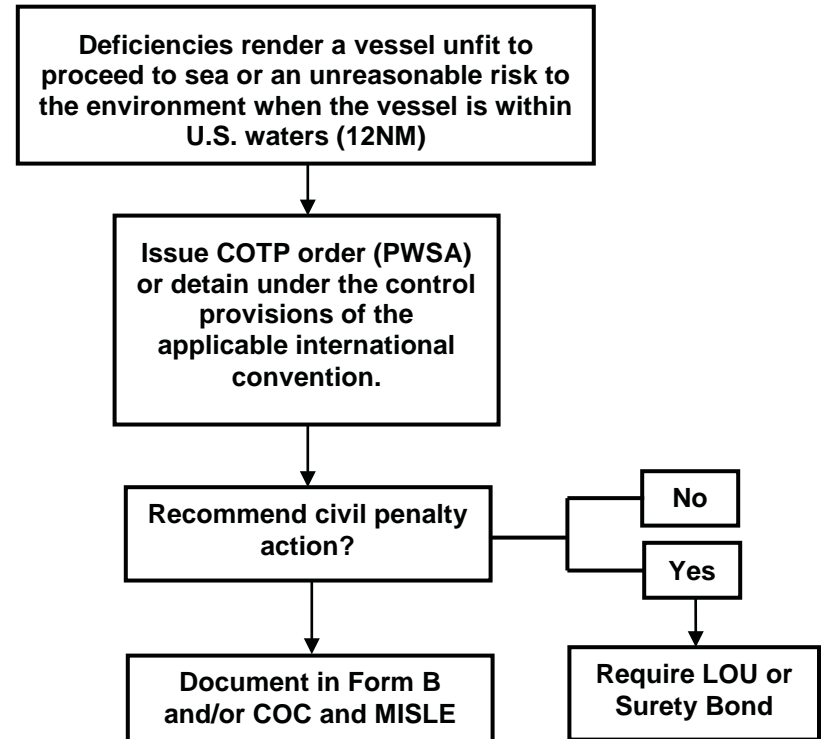
- Leaking tanks.
- Carrying dangerous cargoes with expired documents.
- Carrying incompatible cargoes.
- Invalid ISM certificates.
- COFR not on board.

Section 3: Inspection Items

- | | | |
|--------------------------|--|---|
| <input type="checkbox"/> | 1. Schedule examination in Maritime Information for Safety and Law Enforcement (MISLE) | 33 CFR 140.3 & .101(a)
33 CFR 143.207 |
| <input type="checkbox"/> | 2. Coordinate examination with vessel's representative | MPS-PR-SEC-02
MPS-PR-SEC-04 |
| <input type="checkbox"/> | 3. Conduct meeting with vessel's representative to discuss scope of the examination | MPS-PR-SEC-04 |
| <input type="checkbox"/> | 4. Issue Letter of Determination (LOD)(when applicable) | 43 USC 1356(c)
33 CFR 141.5 |
| <input type="checkbox"/> | 5. Mitigate potential hazards encountered during an exam | NFPA 306 |
| <input type="checkbox"/> | 6. Examine anchor(s) and chain | 33 CFR 160.111
ILO -147 3(g) |
| <input type="checkbox"/> | 7. Examine hull for required markings | MODU 09/3.7.1
ICLL 5-9 |
| <input type="checkbox"/> | 8. Examine material condition of hull | 33 USC 1321
MARPOL I/15 |
| <input type="checkbox"/> | 9. Examine access ladders and sideshell openings | 29 CFR 1915.74(a)(6)
SOLAS 09 II-1/3-9 |
| <input type="checkbox"/> | 10. Examine hull, anchors and anchor chain for compliance with the Non-Indigenous Aquatic Nuisance Species Act | 33 CFR 151.2050(e)(f)
MSM II/D.1.G.1.t
MODU 09/2.11
MODU 09/2.16 |
| <input type="checkbox"/> | 11. Examine mooring system/equipment | 33 CFR 160.111 |
| <input type="checkbox"/> | 12. Examine security procedures at vessel access point(s) | 33 CFR 104.265(a)
ISPS A/7.2.2 |
| <input type="checkbox"/> | 13. Verify security training & records | 33 CFR 104.215 & 104.220
SOLAS 09 XI-2/4.2 |
| <input type="checkbox"/> | 14. Examine Certificate of Registry | 46 USC 3303
SOLAS 09 I/13 |
| <input type="checkbox"/> | 15. Examine Classification Society Certificate | SOLAS 09 I/6(a) |
| <input type="checkbox"/> | 16. Examine International Tonnage Certificate (ITC) | ICTM 69 Article 7 |
| <input type="checkbox"/> | 17. Examine International Load Line Certificate (ILLC) | ICLL Article 16 |
| <input type="checkbox"/> | 18. Examine Cargo Ship Safety Construction Certificate (CSSCC) | SOLAS 09 I/12(a)(ii)
SOLAS 09 I/16 |
| <input type="checkbox"/> | 19. Examine Cargo Ship Safety Equipment Certificate (CSSEC) | SOLAS 09 I/12(a)(iii)
SOLAS 09 I/16 |
| <input type="checkbox"/> | 20. Examine Cargo Ship Safety Radio Certificate (CSSRC) | SOLAS 09 I/12(a)(iv)
SOLAS 09 I/16 |
| <input type="checkbox"/> | 21. Review Certificate of Compliance (COC) | 33 CFR 143.207
33 CFR 146.205 |
| <input type="checkbox"/> | 22. Examine Crew Certificates of Competency and Proficiency | 46 CFR 10.205
STCW I/2.11 |

Requires Corrective Measures Prior to Departure

(DETENTION)

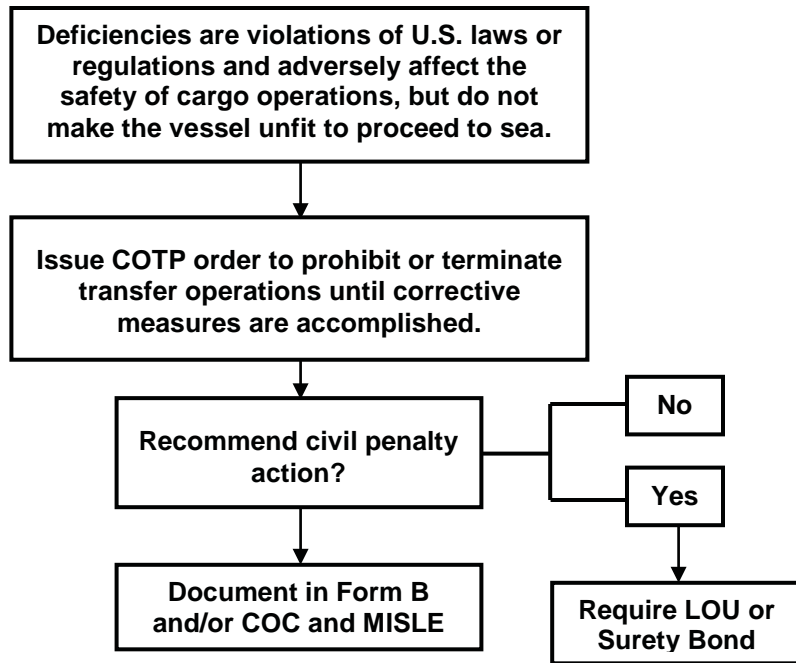


Examples include the following:

- Excessive wastage, corrosion, pitting, holes, or damage to the hull, cargo hatches, fire main, or other vital system.
- Inoperable emergency fire pump or emergency generator.
- Inability to lower lifeboats.
- Inoperable lifeboat motors (i.e., will not start).
- Crew incompetent to carry out duties (e.g., fire or boat drills, cargo transfer, stability calculations, etc.).
- Licenses invalid.
- Safe Manning Document not on board.

Requires Corrective Measures Prior to Cargo, Bunkering or Lightering Operations

(NO DETENTION)



Examples include the following:

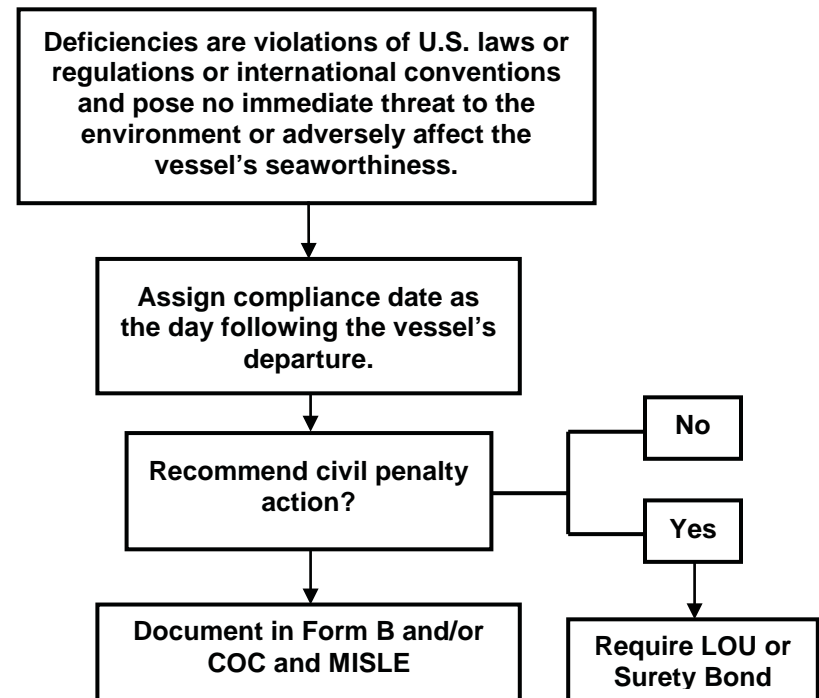
- Oil transfer procedures incomplete.
- Information on properties and hazards of cargoes not on board.
- High and low level alarms inoperative.

- | | | |
|--------------------------|---|--|
| <input type="checkbox"/> | 23. Examine Code for the Construction and Equipment of Mobile Offshore Drilling Units Certificate | 33 CFR 146.205
MODU Code 09/1.6.7 |
| <input type="checkbox"/> | 24. Examine copy of Document of Compliance (ISM-DOC) | 33 CFR 96.330
SOLAS 09 IX/2
SOLAS 09 IX/4.2
CG-ENG Policy Ltr 02-12 |
| <input type="checkbox"/> | 25. Examine Safety Management Certificate (ISM-SMC) | SOLAS 09 IX/4.3
ISM Code 13.7 |
| <input type="checkbox"/> | 26. Examine Minimum Safe Manning Document | SOLAS 09 V/14.1 |
| <input type="checkbox"/> | 27. Examine Medical Certificates | STCW I/9.3
COMDTINST 16711.12A |
| <input type="checkbox"/> | 28. Examine Document of Compliance for Dangerous Goods | SOLAS 09 II-2/19.4 |
| <input type="checkbox"/> | 29. Examine Continuous Synopsis Record (CSR) | SOLAS 09 XI-1/5.1
SOLAS 09 XI-1/5.10 |
| <input type="checkbox"/> | 30. Examine International Ship Security Certificate (ISSC) | SOLAS 09 XI-2/4.2
ISPS Code A/19.2.1 |
| <input type="checkbox"/> | 31. Examine International Oil Pollution Prevention Certificate (IOPP) | 33 CFR 151.19
MARPOL I/7 & 8 |
| <input type="checkbox"/> | 32. Examine International Sewage Pollution Prevention Certificate (ISPP) | MARPOL IV/5
NVIC 01-09 Encl. 3 |
| <input type="checkbox"/> | 33. Examine International Air Pollution Prevention Certificate (IAPP) | MARPOL VI/6
CG-543 Policy Ltr 09-01 |
| <input type="checkbox"/> | 34. Examine the Engine International Air Pollution Prevention (EIAPP) Certificate(s) | MARPOL VI/13.8
NOx Code 2.1.1 |
| <input type="checkbox"/> | 35. Verify compliance with the Vessel General Permit (VGP) | VGP 1.5.1.1 & 10
VGP Table 1 |
| <input type="checkbox"/> | 36. Examine muster lists and emergency instructions | SOLAS 09 III/8.2 |
| <input type="checkbox"/> | 37. Examine ballast water management documents | 33 CFR 151.2025(a)(1) |
| <input type="checkbox"/> | 38. Examine Long-Range Identification & Tracking (LRIT) conformance test report | IMO MSC.1/Circ. 1307 |
| <input type="checkbox"/> | 39. Review lifesaving equipment maintenance logs/reports | 33 CFR 146.205
46 CFR 109.301(b)(1)(vii) |
| <input type="checkbox"/> | 40. Review records of emergency training and drills | 33 CFR 146.205
46 CFR 109.213(c)(2) |
| <input type="checkbox"/> | 41. Examine liferaft maintenance records and service logs/reports | 33 CFR 146.205
46 CFR 109.301(b)(1)(vii)
SOLAS 09 III/36.7
SOLAS 09 III/20.6 & .7 |
| <input type="checkbox"/> | 42. Examine lifeboat maintenance records and service logs/reports | 33 CFR 146.205
46 CFR 109.301(b)(1)(vii)
SOLAS 09 III/36.7 |
| <input type="checkbox"/> | 43. Examine fire detection system maintenance and service logs/reports | 33 CFR 146.205
46 CFR 109.435(a)
SOLAS 09 II-2/14.2.2.1
IMO MSC.1/Circ. 1432 |

<input type="checkbox"/>	44. Examine fire fighting equipment maintenance and service logs/reports	33 CFR 146.205 46 CFR 109.435(a) SOLAS 09 II-2/14.2.2.1 IMO MSC.1/Circ. 1432
<input type="checkbox"/>	45. Examine gas detection maintenance and service logs/reports	33 CFR 146.205 MODU 09/9.19.4.1
<input type="checkbox"/>	46. Examine crane maintenance and service logs/reports	33 CFR 143.207 46 CFR 108.601
<input type="checkbox"/>	47. Examine Unfired Pressure Vessels (UPVs) and relief valves maintenance and service logs/reports	33 CFR 143.207 MSM II/G.3.G.4
<input type="checkbox"/>	48. Examine Operations Manual	46 CFR 109.121 MODU 09/14.1
<input type="checkbox"/>	49. Examine Emergency Evacuation Plan (EEP)	33 CFR 146.201 33 CFR 146.210
<input type="checkbox"/>	50. Examine construction (booklet) portfolio	33 CFR 143.207 & 46 CFR 108.113 MODU 09/2.13
<input type="checkbox"/>	51. Examine Oil Record Book Part I (ORB)	33 CFR 151.25 MARPOL I/17.1
<input type="checkbox"/>	52. Examine Oil Record Book Part II (ORB) (when applicable)	MARPOL I/36
<input type="checkbox"/>	53. Examine Shipboard Oil Pollution Emergency Plan (SOPEP)	33 CFR 151.26 MARPOL I/37.1
<input type="checkbox"/>	54. Examine Non-Tank Vessel Response Plan (NTVRP)	33 USC 1321(a)(26) 33 USC 1321(j)(5)(A)(ii)
<input type="checkbox"/>	55. Examine Garbage Management Plan	33 CFR 151.57 MARPOL V/9.2
<input type="checkbox"/>	56. Examine Garbage Record Book	33 CFR 151.55 MARPOL V/9.3
<input type="checkbox"/>	57. Examine charts and publications	33 CFR 164.33 SOLAS 09 V/19.2.1.4
<input type="checkbox"/>	58. Examine echo-sounding device	33 CFR 164.35(h) SOLAS 09 V/19.2.3.1
<input type="checkbox"/>	59. Examine electronic position fixing device	33 CFR 164.41 SOLAS 09 V/19.2.1.6
<input type="checkbox"/>	60. Examine bridge navigation/propulsion indicators	33 CFR 164.35(f) SOLAS 09 V/19.2.5.4
<input type="checkbox"/>	61. Examine records of emergency training and drills	SOLAS 09 III/19.3.2 SOLAS 09 III/19.5
<input type="checkbox"/>	62. Examine radar(s) and Automatic Radar Plotting Aid (ARPA)	33 CFR 164.35(a) & 37 SOLAS 09 V/19.2.3.2
<input type="checkbox"/>	63. Examine compasses	33 CFR 164.35(b) SOLAS 09 V/19.2.1.1
<input type="checkbox"/>	64. Witness operational test of steering gear	MODU 09/1.6.2.2 MODU 09/7.5.3
<input type="checkbox"/>	65. Examine Voyage Data Recorder (VDR)	SOLAS 09 V/20 IMO Res A.861(20)
<input type="checkbox"/>	66. Examine Automatic Identification System (AIS)	33 CFR 164.46 SOLAS 09 V/19.2.4
<input type="checkbox"/>	67. Examine radiotelephone (VHF)	33 CFR 26.03 SOLAS 09 IV/7.1

Requires Corrective Measures Prior to Return to U.S. Waters

(NO DETENTION)



Examples include the following:

- Charts or nautical publications not currently corrected.
- Portable hoses have not been tested but appear in good condition.
- Actual location of safety equipment deviates from the vessel safety plan.
- Electrical fixtures in paint locker not appropriately certified for safe usage in hazardous location. (Operational controls, such as disconnecting the electrical power source or removing flammables from the space, may satisfactorily remove risk to vessel.)

Nonconforming Vessel: Any vessel that fails to comply with one or more applicable requirements of U.S. laws or international conventions. A non-conforming ship is not necessarily a substandard ship, unless the discrepancies endanger the ship, persons on board or present an unreasonable risk to the environment.

Substandard Vessel: In general, a vessel is regarded as substandard if the hull, machinery, or equipment, such as lifesaving, firefighting and pollution prevention, is substantially below the standards required by U.S. laws or international conventions, due to:

- The absence of required principal equipment or its arrangement;
- Gross noncompliance of equipment or equipment arrangement with required specifications;
- Substantial deterioration of the vessel structure or its essential equipment;
- Noncompliance with applicable operational and/or manning standards; or
- Clear lack of appropriate certification or demonstrated lack of competence on the part of the crew.

If the presence of any of these factors could endanger the ship, persons on board or present an unreasonable risk to the environment, the vessel is a substandard vessel.

Valid Certificates: A certificate that has been issued by a contracting government, party to a convention, or on the behalf of the government or party by a recognized organization; contains accurate and effective dates; meets the provisions of the relevant convention; and corresponds to the particulars of the vessel and its equipment.

- | | | |
|--------------------------|--|---|
| <input type="checkbox"/> | 68. Examine Global Maritime Distress and Safety System (GMDSS) equipment | SOLAS 09 IV/8-11
IMO Res A.694(17) |
| <input type="checkbox"/> | 69. Examine Long-Range Identification & Tracking (LRIT) equipment | SOLAS 09 V/19-1
CG-543 Guidance |
| <input type="checkbox"/> | 70. Examine daylight signaling lamp | SOLAS 09 V/19.2.2.2 |
| <input type="checkbox"/> | 71. Examine internal means of communication | SOLAS 09 II-1/37 |
| <input type="checkbox"/> | 72. Examine internal communications | MODU 09/11.7
MODU 09/7.7 |
| <input type="checkbox"/> | 73. Examine propulsion and operational mode indicators | 33 CFR 164.25
MODU 09/7.4.2.8 |
| <input type="checkbox"/> | 74. Verify operation of communication equipment | MODU 09/11.6 |
| <input type="checkbox"/> | 75. Examine sound reception system on totally enclosed bridge | MODU 09/11.10.1
SOLAS 09 V/19.2.1.8 |
| <input type="checkbox"/> | 76. Examine anchor(s) and chain | MODU 09/4.12
ILO -147 3(g) |
| <input type="checkbox"/> | 77. Examine accommodations | 46 CFR 108.199
46 CFR 108.201
ILO-147 p33/1-3 & 13
ILO-147 p34/12 |
| <input type="checkbox"/> | 78. Examine hospital space | 33 CFR 146.205
33 CFR 143.207
ILO-147 p38/27
COMDTINST 16711.12A 7(1)(e) |
| <input type="checkbox"/> | 79. Examine galley | 46 CFR 109.203
ILO-147 p31/1(b)
COMDTINST 16711.12A 7(1)(f) |
| <input type="checkbox"/> | 80. Examine refrigerator and dry food stores | ILO-147 p30/2
COMDTINST 16711.12A 7(1)(f) |
| <input type="checkbox"/> | 81. Examine sanitation areas | ILO-147 p36/18-20
COMDTINST 16711.12A 7(1)(d) |
| <input type="checkbox"/> | 82. Examine vessel for general safety items | ILO-147 p45/3(b)
COMDTINST 16711.12A 7(1)© |
| <input type="checkbox"/> | 83. Examine means of escape | MODU 09/9.4.1.3 |
| <input type="checkbox"/> | 84. Avoid inadvertent entry into a confined space | 29 CFR 1915, Part B
MSM I/10 |
| <input type="checkbox"/> | 85. Examine personal protective equipment and procedures | 33 CFR 142.27 |
| <input type="checkbox"/> | 86. Examine arrangements in machinery and working spaces | MODU 09/9.15.1 |
| <input type="checkbox"/> | 87. Examine storage of gas cylinders | MODU 09/9.17.1.1 |
| <input type="checkbox"/> | 88. Examine hydrogen sulphide (sulfide) detection and alarm system | MODU 09/9.12.1 |
| <input type="checkbox"/> | 89. Examine life jackets and stowage | SOLAS 09 III/7.2.1.1
SOLAS 09 III/7.2.1.2 |
| <input type="checkbox"/> | 90. Examine immersion suits and stowage (when applicable) | SOLAS 09 III/7.3
SOLAS 09 III/32.2 & .3 |
| <input type="checkbox"/> | 91. Examine line throwing appliance | SOLAS 09 III/18
LSA Code 7.1.1.2 |

- 92. Examine pyrotechnics SOLAS 09 III/6.3
- 93. Examine quick-release life buoys SOLAS 09 III/7.1.3
- 94. Examine lifeboats MODU 09/10.3.1
LSA Code 4.6
- 95. Examine muster and embarkation stations MODU 09/10.4
- 96. Examine inflatable liferafts and davit launched arrangements 33 CFR 140.101(e)
46 CFR 108.525/530/540
- 97. Examine rescue boat 33 CFR 140.101
MODU 09/10.8-10.10
- 98. Examine boat davits MODU 09/10.18.1
SOLAS 09 III/20.2
- 99. Examine general emergency systems MODU 09/5.7.2
- 100. Examine fixed metal ladders MODU 09/10.4.7
- 101. Examine fire hose stations SOLAS 09 II-2/10.2.3.1.1
SOLAS 09 II-2/10.3.1.2
- 102. Examine international shore connection SOLAS 09 II-2/15.2.4.1
- 103. Examine fire-fighter's outfits SOLAS 09 II-2/15.2.4.1
- 104. Examine portable fire extinguishers SOLAS 09 II-2/15.2.4.1
MSM II/D.1.G.1.o(6)(a)
- 105. Examine Fire Control Plan SOLAS 09 II-2/15.2.4.1
- 106. Examine areas for compliance with Structural Fire Protection (SFP) requirements SOLAS 09 II-2/9.2.3
SOLAS 09 II-2/15.2.4.1
- 107. Examine fixed fire detection and alarm system MODU 09/9.5
FSS Code 9.2.1.4
- 108. Examine fire main system(s) 33 CFR 143.207
46 CFR 108.415
SOLAS 09 II-2/10.2.2.2
- 109. † Examine deluge system 77 FR 70172
- 110. Examine the fixed pressure water-spraying and water mist fire extinguishing systems SOLAS 09 II-2/10.4.1.1.3
SOLAS 09 II-2/10.4.4
- 111. Examine fixed high pressure CO2 system SOLAS 09 II-2/10.4.1.1.1
MSM II/D.1.G.1.o(6)(a)
- 112. Examine low pressure CO2 fixed fire fighting system SOLAS 09 II-2/10.4.1.1.1
MSM II/D.1.G.1.o(6)(a)
- 113. Examine fixed high-expansion foam fire extinguishing system SOLAS 09 II-2/10.4.1.1.2
MSM II/D.1.G.1.o(6)(a)
- 114. Examine areas for compliance with Structural Fire Protection (SFP) requirements 33 CFR 143.207
46 CFR 108.131
- 115. Examine flammable gas and alarm system(s) MODU 09/9.11.1
- 116. Examine apparatus for recharging air cylinders MODU 09/ 9.14.2 & .6

Section 5: Appendices

Recommended Port State Control Procedures:

The following flowcharts contain information gleaned from the Marine Safety Manual Volume II, Section D. The coastal state examiner/port state control officer should be familiar with this section as well as the information pertaining to Outer Continental Shelf Activities contained in Section G.

Considering the seriousness of the deficiencies, the OCMI or COTP must determine the appropriate control action to impose on these vessels to ensure the safety of the vessel, the port, and the environment. The degree of control imposed, as well as the authority used to exercise control, must be consistent with the nature of the deficiencies.

The following definitions and terms of reference are used in the MSM to describe key elements of Port State Control enforcement:

Clear Grounds: Evidence that the ship, its equipment or its crew do not correspond substantially to the requirements of the relevant conventions or that the master or crew members are not familiar with essential shipboard procedures relating to the safety of ships or the prevention of pollution.

Control: Control is the process of imposing a port state's or flag state's authority over a vessel to ensure that its structure, equipment, operation and crew meet applicable standards. The process is affected by any verbal or written directives from the OCMI/COTPs or their representatives, which require action or compliance by the vessel.

Detention: Detention is a control action that restricts a vessel's right of free movement. The imposition of a restriction on the movement of a vessel constitutes a detention regardless of whether or not a delay from a vessel's normal or expected itinerary occurs. Detentions may be carried out within port state control jurisdiction (U.S. waters ≤ 12NM) under the authority of the applicable international convention, the Ports and Waterways Safety Act (PWSA) or a Customs hold.

Intervention: An intervention is a control action taken by a port state in order to bring a foreign flag vessel into compliance with applicable international convention standards. Interventions may also be undertaken by a port state when a vessel's flag state has not, cannot or will not exercise its obligations under an international convention to which it is a party. This may include requesting information, requiring the immediate or future rectification of deficiencies, detaining the vessel or allowing the vessel to proceed to another port for repairs.

Abandon Ship Drill:

General alarms / signals	Familiarity with duties	Boat release
Muster lists	Provide equipment	Boat operation
Muster of crew / passengers	Familiarity with equipment	Egress procedures
Crew response	Lower lifeboat	Davit-launched liferaft drill
Language understood by crew	Brake operation	Communication w/ bridge
Lifejackets	Engine start	Lighting

(SOLAS 09 III/19.3; MSM Vol. II/D.1.G.1.r(1))

Location: _____ Time to Water: _____

Notes: _____

- 117. Examine operational capabilities of Dynamic Positioning (DP) systems
 MODU 09/4.13 & IMO MSC/Circ. 645 2.2
 77 FR 26562
- 118. Examine DP's power management system
 Approved DP FMEA
 Approved DP FMEA Proving Trials
- 119. Examine DP's thruster system(s)
 Approved DP FMEA
 Approved DP FMEA Proving Trials
- 120. Examine DP's control systems
 Approved DP FMEA
 Approved DP FMEA Proving Trials
- 121. Examine helideck
 MODU 09/13.5.20
 MODU 09/13.5.23-26
- 122. Examine helideck fire fighting systems
 MODU 09/9.16.4.1
- 123. Examine refueling station
 46 CFR 109.557
 MODU 09/9.16.6.4
- 124. Examine steering gear assembly and operation
 MODU 09/1.6.2.2
- 125. Examine arrangements for propulsion engine(s)
 MODU 09/4.1.3
 IMO MSC/Circ. 834
- 126. Examine emergency generator(s) and prime mover(s)
 SOLAS 09 II-1/26.1
 SOLAS 09 II-1/44.3
- 127. Examine machinery spaces
 MSM II/D.1.G.1.c(2)
 IMO Res A.1052(27) Appendix 6/3.2
- 128. Examine transfer procedures (when applicable)
 33 CFR 155.100
 33 CFR 155.720
- 129. Examine bilge pumps installation, piping, and valves
 MODU 09/4.9.1
 MODU 09/4.9.3
- 130. Examine ballast pumps installation, piping, and valves Column Stabilized Units
 MODU 09/1.2
 MODU 09/4.10
- 131. Examine ballast pumps installation, piping and valves on ship-shaped hulls
 MODU 09/14.1.2
- 132. Examine oil/fuel service and transfer system(s)
 MODU 09/4.8.4
 MODU 09/4.8.6
- 133. Examine Unfired Pressure Vessels (UPVs)
 MSM II/G.3.G.4
 MOA OCS-08 Annex 1/22.J
- 134. Examine main service and propulsion generator(s) and prime mover(s)
 MODU 09/4.1.3
 IMO MSC/Circ. 834
- 135. Examine emergency generator(s) and prime mover(s)
 MODU 09/5.4
- 136. Examine switchboards
 MODU 09/5.6.3
 MODU 09/5.6.5
- 137. Examine motor controllers
 MODU 09/5.1.1.4
- 138. Examine controls and alarms for unattended machinery spaces (when applicable)
 MODU 09/8.2.5

- 139. Examine electrical components in hazardous area(s) 33 CFR 143.207 & 46 CFR 108.170
MODU 09/6.6
- 140. Examine machinery in hazardous areas MODU 09/6.2
- 141. Examine openings, access and ventilation conditions in hazardous areas 33 CFR 143.207
46 CFR 108.170
- 142. Examine emergency shutdown & disconnect(s) MODU 09/6.5.3
- 143. Examine general condition hull and structural members 33 USC 1321
MARPOL I/15
ICLL 66/12-25
MSM II/D.1.G.1.b(1)
MODU 09/3.6.1
SOLAS 09 II-1/15-1
- 144. Examine external watertight integrity MODU 09/3.6.5
SOLAS 09 II-I/13-1.1
- 145. Examine internal watertight bulkheads and doors/closures SOLAS 09 II-1/15-1
- 146. Examine watertight doors and weathertight openings 33 CFR 146.205
46 CFR 109.557
- 147. Examine marine portable tanks (MPT) 33 CFR 143.207 & 46 CFR 108.601
33 CFR 146.205 & 46 CFR 109.521
- 148. Examine crane(s) MARPOL I/14
G-PCV Policy Ltr 06-01
- 149. Examine Oily Water Separator (OWS) and bilge monitor/alarm (OCM) 33 CFR 159.7
MARPOL IV/9
- 150. Examine Marine Sanitation Device (MSD) 46 CFR 147.45
- 151. Examine paint lockers 33 CFR 146.205
46 CFR 109.213
- 152. Evaluate Fire Drill 33 CFR 146.205
46 CFR 109.213
- 153. Evaluate Abandon Ship Drill 77 FR 70172 II(e)
- 154. Evaluate Man Overboard Drill IMO Res A.1052(17) 2.4
- 155. Verify International Safety Management (ISM) Code MSM II/D.1.C.8
- 156. Issue deficiencies MODU 09/1.7.3
MSM II/G.3.L
- 157. Issue control action(s) MSM II/D.2.C
- 158. Issue control action(s) MSM II/D.1.G.3.f
CG-3585
- 159. Verify deficiency corrections MSM II/G.3.A.2.e
CG-3585
- 160. Endorse certificates MISLE Work Instruction
- 161. Complete Maritime Information for Safety and Law Enforcement (MISLE) Activity

Section 4: Drills

Fire Drill:

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

(SOLAS 09 III/19.3; MSM Vol. II/D.1.G.1.r (2); NVIC 6-91)

Location: _____ Time on Scene: _____

Notes: _____
