United States Coast Guard

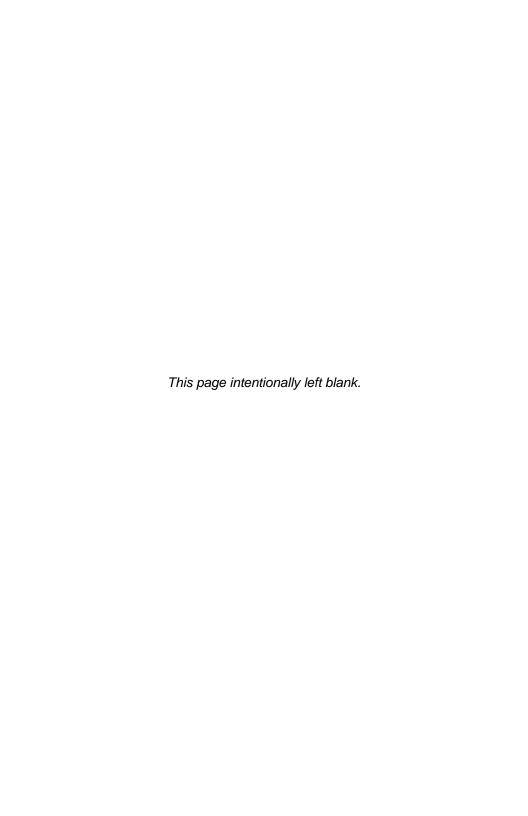


FIXED PLATFORM INSPECTOR Job Aid

Name of Facility	
Facility ID Number	Activity Number
Date Completed	Priority
Location	
Inspection Team Members:	
1	3
2	4

Job Aid FPI Rev. Oct2018

DCN: MPS-JA-TCY-FPI(2)



Use of Fixed Platform Inspection Book:

This examination book is intended to be used as a job aid by Coast Guard Marine Inspectors during inspections of fixed platforms. Each book contains an extensive list of possible inspection items. The depth and scope of the inspection must be determined by the Marine Inspectors based on their observations.

This document does not establish or change Federal laws or regulations. References given are only general guides. Refer to CFRs, NVICs and any locally produced cite guides for specific regulatory references.

NOTE: Guidance on how to examine fixed platforms can be found in MSM Volume II, Section G: Procedures Applicable to Fixed OCS Facilities or Platforms.

Guide to Inspections:

Pre-inspection Items

- Schedule inspection in MISLE
- Review MISLE records
- Coordinate inspection with installation's representative
- Conduct meeting with installation's representative
- Issue Letter(s) of Determination

Post-inspection Items

- Issue deficiencies
- Verify deficiency corrections
- Complete MISLE entries within 48 hours

Table of Contents:

Section 1: Administrative Items	
Involved Parties & General Information	
Facility Information	1
Section 2: Inspection Items	2
Section 3: Drills	
Abandonment Drill	16
Section 4: Appendices	
Confined Space Entry	17
Notes	21
Conversions	

Section 1: Administrative Items

Involved Parties & General Information:

Facility's Representative
Phone Number
E-mail
Owner – Name & Address
☐ No Change
Operator – Name & Address
☐ No Change

Section 2: Inspection Items

Pre-Inspection

		~
1.	Research Bureau of Safety and Environmental Enforcement (BSEE)/Coar Guard (CG) Memorandum of Agreement OCS-09	
	 Determine authority, jurisdiction and applicable regulations 	43 USC 1331 33 CFR 140.101
	 Determine responsibilities of CG and BSEE 	BSEE/USCG MOA OCS-09
2.	Schedule inspection in Maritime Informa Enforcement (MISLE)	tion for Safety and Law
	Locate facility	MISLE User Guide
	Review history (narratives, deficiencies & special notes)	MSM I/12.G.2.a MISLE User Guide
	Generate new activity	MISLE User Guide
3.	Coordinate inspection with facility's repre	esentative
	 Identify fixed platform/facility representative 	MPS-PR-SEC-01 MPS-PR-SEC-04
	 Confirm inspection time and destination 	MPS-PR-SEC-01
	Articulate inspection expectations	33 CFR 140.3 33 CFR 140.101
	Verify owner/operator information	MPS-PR-SEC-04
4.	Conduct meeting with Person in Charge	(PIC)
	 Review outstanding third party servicing report discrepancies 	MPS-PR-SEC-04
	Discuss inspection procedure and expectations	33 CFR 140.3 33 CFR 140.101
	 Review any ongoing operations that could affect inspection or equipment 	MPS-PR-SEC-04
	Coordinate testing procedures and inspection	MPS-PR-SEC-04
5.	Mitigate potential hazards encountered of	during an inspection
	Recognize potential hazards	NFPA 306
	 Prepare necessary personal protective equipment 	MSM I/10 App. A Quattro Operator's Manual

	Review CG policy for leaving spaces due to hazardous condition	MSM I/10 App. A
6.	Issue Letter of Determination (LOD)	
	Review request	43 USC 1356(c) 33 CFR 141.5 & 141.15
	Prepare LOD	33 CFR 141.15 NVIC 07-84
	Retain a copy and log issued LODs	5 USC 552 & 552a COMDTINST M5260.3
	Secure documentation received from employers/applicants	COMDTINST M5212.12A
	Security	
7.	Review Facility Security Plan/Alternate S	security Plan (FSP/ASP)
	Verify presence of FSP/ASP	33 CFR 106.105 NVIC 05-03/Encl(1)
	 Verify presence of valid approval letter 	33 CFR 106.115
	Verify contents	33 CFR 106.405 33 CFR 106.235
	Verify amendments approved	33 CFR 106.415 NVIC 05-03/Encl(1)
	Verify security plan protected	33 CFR 106.400(c) 49 CFR 1520
	Verify security incident procedures	33 CFR 106.280
	 Verify presence of Facility Security Assessment Report 	33 CFR 106.305(d)
8.	Review security records/documents	
	Determine applicability	33 CFR 106.105 NVIC 05-03/Encl (1)
	 Verify TWIC program implementation 	33 CFR 106.200(b)(6)
	 Verify record of security training for facility security officer (FSO) 	33 CFR 106.210
	 Verify record(s) of security training for OCS facility personnel with security duties 	33 CFR 106.215
	 Verify record(s) of security training for all other facility personnel 	33 CFR 106.220

•	Verify presence of Declarations of Security (DoS)	33 CFR 106.230(b)(7) 33 CFR 106.250
•	Verify record(s) of security drills conducted	33 CFR 106.230(b)(2) 33 CFR 106.225(b)
•	Verify record(s) of annual exercise conducted	33 CFR 106.230(b)(2) 33 CFR 106.225(c)
•	Verify record(s) of annual audit conducted	33 CFR 106.415(b) 33 CFR 106.230(b)(8)
•	Verify required record(s)	33 CFR 106.230
•	Verify CSO and FSO are designated in writing	33 CFR 106.200(b)(2)
9. In	spect security equipment and access of	control
•	Determine applicability	33 CFR 106.105 NVIC 05-03/Encl (1)
•	Verify condition	33 CFR 106.255
•	Inspect access control measures	33 CFR 106.260(a)(3) 33 CFR 106.260(b)(1)
•	Inspect signs	33 CFR 106.260(f)(3)
•	Verify restricted area markings	33 CFR 106.265(b)
•	Verify communications are maintained in accordance with Facility Security Plan	33 CFR 106.240
10. R	eview crew knowledge of Facility Secu	rity Plan
•	Determine applicability	33 CFR 106.105 NVIC 05-03/Encl (1)
•	Evaluate facility security officer's (FSO) knowledge	33 CFR 106.210(b)
•	Evaluate crew's knowledge	33 CFR 106.215 33 CFR 106.270
	Certificates & Doo	cuments
11. E	xamine Annual Inspection Report(s) (C	G-5432) - BSEE PINC Z-100
•	Verify annual self-inspection(s)	33 CFR 140.103(a) 33 CFR 140.103(c)
•	Verify results recorded on CG-5432	33 CFR 140.103(c)
•	If manned, verify CG-5432 is available	33 CFR 140.103(c)

 If unmanned, verify CG-5432 is available and maintained at adjacent manned facility or nearest field office 	33 CFR 140.103(c)
 Verify annual self-inspections with outstanding deficiencies have been forwarded to appropriate BSEE District Office 	33 CFR 140.103(c)
12. Verify Person in Charge designation	
 Verify person in charge (PIC) is formally designated 	33 CFR 146.5(a)
 Verify PIC successors are formally designated 	33 CFR 146.5(a)
13. Examine station bill - BSEE PINC Z-210	
 Verify posted 	33 CFR 146.130(a)
Verify prepared and signed by PIC	33 CFR 146.130(a)
 Verify special duties and duty stations designated 	33 CFR 146.130(b) 33 CFR 146.120
 Verify proper handling of emergencies addressed 	33 CFR 146.130(b)
 Verify various signals for emergency stations and abandonment listed 	33 CFR 146.130(c)
Logs & Manu	als
14. Review Emergency Evacuation Plan (EE	P)
 Verify presence of plan 	33 CFR 146.140(a) 33 CFR 146.140(b)
 Verify presence of approval letter 	33 CFR 146.140(b)
 Verify contents 	33 CFR 146.140(d)(1)
 Verify revisions pages for changes 	33 CFR 146.140(d)(3)
 Verify EEP is applicable to on-site conditions 	33 CFR 146.140(a)
 Verify EEP annual drill was conducted 	33 CFR 146.125(c)(1)
15. Verify emergency drill records - BSEE PI	NC Z-205
 Verify monthly emergency drills conducted 	33 CFR 146.125(a)

		 Verify monthly Emergency Evacuation Plan (EEP) drills conducted 	33 CFR 146.125(c)(2)
		Verify annual EEP exercise completed	33 CFR 146.125(c)(1)
		Verify drill record/report maintained	33 CFR 146.125(d)
		 Verify notifications to OCMI for drills that are unable to be conducted 	33 CFR 146.125(d)
	16.	Verify fire extinguisher inspection and ma	aintenance records
		Verify inspection records	33 CFR 145.01(b) NFPA 10/7.2.4
		 Verify extinguishers inspected at required intervals 	33 CFR 145.01(b) NFPA 10/7.2.1.2 and 7.2.2
		 Verify annual and periodic maintenance conducted by certified personnel for rechargeable/refillable fire extinguishers 	33 CFR 145.01(b)
		Verify maintenance records	33 CFR 145.01(b)
			NFPA 10/A.7.3.3
		General Health &	
	17.	General Health & Inspect eye and face protection - BSEE	Safety
	17.		Safety
	17.	Inspect eye and face protection - BSEE • Verify protection meets ANSI Z87.1	Safety PINC Z-102 33 CFR 142.27(a)
	17.	 Inspect eye and face protection - BSEE Verify protection meets ANSI Z87.1 for associated hazard(s) 	Safety PINC Z-102 33 CFR 142.27(a) ANSI Z87.1
		 Inspect eye and face protection - BSEE Verify protection meets ANSI Z87.1 for associated hazard(s) Verify condition/serviceability 	Safety PINC Z-102 33 CFR 142.27(a) ANSI Z87.1 33 CFR 142.27(b) 33 CFR 142.27(c) ANSI Z87.1
_		 Inspect eye and face protection - BSEE Verify protection meets ANSI Z87.1 for associated hazard(s) Verify condition/serviceability Verify marked 	Safety PINC Z-102 33 CFR 142.27(a) ANSI Z87.1 33 CFR 142.27(b) 33 CFR 142.27(c) ANSI Z87.1
_		 Inspect eye and face protection - BSEE Verify protection meets ANSI Z87.1 for associated hazard(s) Verify condition/serviceability Verify marked Inspect head protection - BSEE PINC Z- Verify meets specifications for 	Safety PINC Z-102 33 CFR 142.27(a) ANSI Z87.1 33 CFR 142.27(b) 33 CFR 142.27(c) ANSI Z87.1 102 33 CFR 142.30(a)
_		 Inspect eye and face protection - BSEE Verify protection meets ANSI Z87.1 for associated hazard(s) Verify condition/serviceability Verify marked Inspect head protection - BSEE PINC Z- Verify meets specifications for hazard involved 	Safety PINC Z-102 33 CFR 142.27(a) ANSI Z87.1 33 CFR 142.27(b) 33 CFR 142.27(c) ANSI Z87.1 102 33 CFR 142.30(a) 33 CFR 142.24(b) 33 CFR 142.30(b)
	18.	 Inspect eye and face protection - BSEE Verify protection meets ANSI Z87.1 for associated hazard(s) Verify condition/serviceability Verify marked Inspect head protection - BSEE PINC Z- Verify meets specifications for hazard involved Verify marked 	Safety PINC Z-102 33 CFR 142.27(a) ANSI Z87.1 33 CFR 142.27(b) 33 CFR 142.27(c) ANSI Z87.1 102 33 CFR 142.30(a) 33 CFR 142.24(b) 33 CFR 142.30(b) ANSI Z89.1 33 CFR 142.30(a)

•	Verify marked	33 CFR 142.33(b) ANSI Z41
•	Verify condition	33 CFR 142.33(a)
20. In	spect protective clothing - BSEE PINC	Z-102
•	Verify appropriate clothing worn for the hazard involved	33 CFR 142.36 33 CFR 142.24(b)
•	Verify condition (no cuts, tears, excessive deterioration, mismatches, etc.)	33 CFR 142.36
21. In	spect respiratory protection - BSEE PII	NC Z-104
•	Verify equipment meets specifications for atmosphere/conditions involved	33 CFR 142.39(a) ANSI Z88.2
•	Verify personnel fit tested	33 CFR 142.39(b)(1) ANSI Z88.2
•	Verify training	33 CFR 142.39(b)(2) ANSI Z88.2
•	Verify equipment maintained	33 CFR 142.39(c) ANSI Z88.2
22. In	spect fall protection - BSEE PINC Z-10	6
•	Verify protection utilized when required	33 CFR 142.42(a) ANSI A10.14
•	Verify equipment meets specifications	33 CFR 142.42(b) ANSI A10.14
•	Verify PFDs or alternatives worn	33 CFR 142.45 33 CFR 146.20(b)
23. In	spect eyewash stations - BSEE PINC 2	Z-110
•	Verify location and quantity	33 CFR 142.48
•	If non-self contained, verify stations operational	33 CFR 142.48
•	If self contained, verify solution expiration and container condition	33 CFR 142.48
24. E	xamine general housekeeping - BSEE	PINC Z-112
•	Verify stairways, ramps and working surfaces kept clear of tools, materials and equipment not in use	33 CFR 142.84

•	Verify stairways, ramps and working surfaces promptly cleared of substances that create a slipping or tripping hazard	33 CFR 142.84
•	Evaluate suitability of alternative methods to reduce slip hazards in areas subject to fluid spillage during operations (drill floor and PIG receivers/ launchers)	33 CFR 142.84
25. In	spect deck opening protection - BSEE	PINC Z-114
•	Verify deck openings made inaccessible	33 CFR 142.87
•	Verify manner of blockage is able to prevent a person's foot or body from inadvertently passing through the opening	33 CFR 142.87
26. Ex	xamine lockout-tagout procedures	
•	Verify lockout-tagout procedures utilized	33 CFR 142.90
•	Verify lockout devices utilized and maintained	33 CFR 142.90(a) 33 CFR 142.90(b)
•	Verify appropriate tags utilized and maintained	33 CFR 142.90(c) 33 CFR 142.90(d)
27. In	spect general alarm system - BSEE Pl	INC Z-195
•	If manned, verify general alarm system operable	33 CFR 146.105
•	Verify audible in all parts of the facility	33 CFR 146.105
•	Verify markings	33 CFR 146.135(b) 33 CFR 146.135(c)
28. In	spect emergency signals	
•	Verify established emergency signals	33 CFR 146.110(a)
•	Verify separate/distinct signals for manning emergency stations and to abandon facility	33 CFR 146.110(b)
•	Verify signals match description on Station Bill	33 CFR 146.130(c)

Lifesaving Equipment

29.	Ins	spect means of escape - BSEE PINC 2	Z-125
	•	Verify required number of primary and secondary means of escape for manned facility	33 CFR 143.101(a) & (b) 33 CFR 143.101(c)
	•	Verify required number of primary and secondary means of escape for unmanned facility	33 CFR 143.101(d)
	•	Verify suitably arranged	33 CFR 143.101(f) MSM II/G.5.D.8
	•	Verify readily accessible for rapid evacuation	33 CFR 143.101(e)
	•	Verify all extend to water's surface	33 CFR 143.101(b)& (c) 33 CFR 143.101(d)
	•	If bridged facility or complex, verify catwalk/bridge arrangement(s) (if utilized as a primary means of escape)	MSM II/G.5.D.7
30.	Ins	spect lifefloats - BSEE PINC Z-145	
	•	Verify quantity and capacity provided	33 CFR 144.01-1
	•	Verify approval	33 CFR 144.01-1 46 CFR 160.027
	•	Verify location and launching arrangements	33 CFR 144.01-5 33 CFR 144.01-10(b)
	•	Verify condition	33 CFR 146.15(a)
	•	Verify painter size, length and attachment	33 CFR 144.01-10(a) 33 CFR 144.01-10(b)
	•	Verify water light approval, operation and attachment	33 CFR 144.01-10(b) 46 CFR 161.010
	•	Verify paddle condition and attachment	33 CFR 144.01-1(c)
	•	Verify markings	33 CFR 146.135(d)
	•	Verify minimum lifesaving arrangementsIf if lifefloat alternatives installed	33 CFR 144.01-15(a)
	•	Verify variances and/or temporary arrangements	MSM II/G.5.6
		30. Ins	and secondary means of escape for manned facility Verify required number of primary and secondary means of escape for unmanned facility Verify suitably arranged Verify readily accessible for rapid evacuation Verify all extend to water's surface If bridged facility or complex, verify catwalk/bridge arrangement(s) (if utilized as a primary means of escape) 30. Inspect lifefloats - BSEE PINC Z-145 Verify quantity and capacity provided Verify approval Verify location and launching arrangements Verify condition Verify painter size, length and attachment Verify water light approval, operation and attachment Verify paddle condition and attachment Verify markings Verify minimum lifesaving arrangements if ilifefloat alternatives installed Verify variances and/or temporary

31. In	spect lifeboat(s) - BSEE PINC Z-145	
•	Verify USCG type approval	33 CFR 144.01-15(a) 46 CFR 160.135
•	Verify marked weights are IAW rated capacity	33 CFR 144.01-15(a) 46 CFR 160.135-17
•	Verify equipment	33 CFR 144.01-15(b)
•	Verify markings	33 CFR 146.135(d)
•	Verify condition	33 CFR 146.15(a)
•	Verify remote and local steering	46 CFR 160.135-7(b)(13) 46 CFR 160.035-3(k)
•	Witness operational tests of engine and reduction gear	33CFR 146.15(a)
•	Verify release gear mechanism(s) approval	33 CFR 144.01-15(a) 46 CFR 160.133
32. In	spect boat davits/winches	
•	Verify davit approval	33 CFR 144.01-15(a) 46 CFR 160.132
•	Verify winch approval	33 CFR 144.01-15(a) 46 CFR 160.115
•	Inspect condition of davit(s)/winch(s) and associated components	33 CFR 146.15(a)
•	Verify markings and labeling	46 CFR 160.115-17 46 CFR 160.132-17
•	Witness operational test of limit switches	46 CFR 160.115-7(b)(6)(vi) 46 CFR 160.015.3(k)(2)
33. In	spect inflatable liferaft installation(s) - I	BSEE PINC Z-145
•	Verify liferaft approval	33 CFR 144.01-15(a) 33 CFR 144.01-15(d)
•	Verify capacity and arrangement (if used in lieu of lifefloats)	33 CFR 144.01-15(a)
•	Verify stowage and launching arrangement	33 CFR 144.01-15(a)
•	Verify markings	33 CFR 146.135(d) 46 CFR 160.151-33
•	Verify annual servicing	46 CFR 160.151-57(m) 46 CFR 160.151-57(n)
•	Verify davit arrangement and approval	33 CFR 144.01-15(a) 46 CFR 160.132

	Verify condition	33 CFR 146.15(a)
	 Verify variances and/or temporary arrangements 	MSM II/G.5.D.6
34.	Inspect life preservers - BSEE PINC Z-1	08 & 150
	Verify approval	33 CFR 144.01-20(a) 46 CFR 160.001, .002 & .005,
	 Verify quantity 	33 CFR 144.01-20(a)
	 Verify stowage and accessibility 	33 CFR 144.01-20(a)
	 Verify personal marker light approval, attachment and expiration 	33 CFR 144.01-20(c) 33 CFR 146.15(b) & (c)
	Verify retro-reflective material	33 CFR 144.01-20(d) 46 CFR 164.018
	Verify condition	33 CFR 146.15(a)
	 Verify markings 	33 CFR 146.135(e)
35.	Inspect ring life buoys - BSEE PINC Z-1	55
	Verify approval	33 CFR 144.01-25(a) 46 CFR 160.050
	 Verify quantity 	33 CFR 144.01-25(a)
	 Verify location, stowage and accessibility 	33 CFR 144.01-25(a)
	 Verify water light approval, operation and attachment 	33 CFR 144.01-25(b) 46 CFR 161.010
	Verify condition	33 CFR 146.15(a)
	 Verify markings 	33 CFR 146.135(e)
36.	Inspect first-aid kit - BSEE PINC Z-160	
	 Verify approval 	33 CFR 144.01-30
	 Verify custody retained by PIC 	33 CFR 144.01-30
	 Verify contents and expiration dates 	33 CFR 146.15(a)
37.	Inspect stokes/safety litter - BSEE PINC Z-165	
	Verify onboard	33 CFR 144.01-35
	 Verify accessibility 	33 CFR 144.01-35
	Verify condition	33 CFR 146.15(a)
	Verify hoistable	33 CFR 144.01-35

38.	Inspect emergency communications - BS	SEE PINC Z-170
	Verify means of communications provided	33 CFR 144.01-40
	Verify condition	33 CFR 146.15(a)
	Witness test	33 CFR 146.15(a)
39.	Inspect work vests - BSEE PINC Z-190	
	Verify approval	33 CFR 146.20(a) 46 CFR 160.053
	Verify use	33 CFR 146.20(b)
	 Verify stowage 	33 CFR 146.20(c)
	 Verify condition 	33 CFR 146.20(d)
	 Verify use, stowage and maintenance of hybrid work vests 	33 CFR 146.20(e)
40.	Inspect lifesaving equipment on unmanr & 180	ned platforms - BSEE PINC Z-175
	Verify life preservers	33 CFR 144.10-1(a)(1) 46 CFR 160.001, .002 & .005
	Verify ring life buoys	33 CFR 144.10-1(a)(2) 46 CFR 160.050
	 Verify water light approval, operation and attachment 	33 CFR 144.10-1(a)(3) 46 CFR 161.010
	 Verify alternative ring life buoy arrangements 	33 CFR 144.10-1(b)
	 Verify condition of installed equipment 	33 CFR 146.15
41.	Inspect man ropes/swing ropes - BSEE	PINC Z-125
	Verify material	MSM II/G.5.D.9 D8 INST 16711.1 Item 8(a)
	Verify shackle, eyebolt and thimble	D8 INST 16711.1 Item 8(b)
	 Verify knot spacing 	D8 INST 16711.1 Item 8(c)
	 Verify distance to the water 	D8 INST 16711.1 Item 8(d)
	 Verify condition 	D8 INST 16711.1 Item 8
	Firefighting Sys	stems
42.	Inspect portable and semi-portable fire e	extinguishers - BSEE PINC Z-185
	Verify approval	33 CFR 145.01
	10	

	 Verify location, type and quantity 	33 CFR Table 145.10(a)
	 Verify semi-portable extinguishers are located in the open/plain sight 	33 CFR 145.10(b)
	Verify condition	33 CFR 146.15(a)
		NFPA 10/7.2.2.2
	 Verify markings 	33 CFR 145.05(d)
	 Verify mounting brackets 	46 CFR 162.028-3(g)
43.	Inspect fixed firefighting system(s)	
	 Verify installation 	33 CFR Table 145.10(a), Note 1
	 Verify condition 	33 CFR 146.15(a)
	 Verify maintenance records 	33 CFR 146.15(a)
44.	Inspect galley fire suppression system	
	Verify condition	33 CFR 146.15(a)
	Verify maintenance records	33 CFR 146.15(a)
	Heli-Deck	
45.	Inspect heli-deck perimeter - BSEE PING	C Z-140
	Verify unprotected perimeter fall protection	33 CFR 143.110(b)
	 Verify opening(s) for stairwells sized and arranged to reduce fall hazards to lower decks 	33 CFR 143.110(b) 33 CFR 143.110(c)
	Aids to Naviga	ation
46.	Inspect obstruction light(s) - BSEE PINC	C Z-120
	Verify presence	33 CFR 143.15(a) 33 CFR 67.01-1
	 Verify properly arranged according to structure's classification 	33 CFR 67.05-1 33 CFR 67.20-5 & .25-5
	 Verify lenses are clean and light(s) are level 	33 CFR 67.05-1 33 CFR 67.20-5 & .25-5
	Witness operation	33 CFR 67.05-5 33 CFR 67.05-10
	 Verify configured for automatic operation 	33 CFR 67.05-15

47. Inspect sound signal(s) - BSEE PINC Z-120		
•	Verify presence	33 CFR 143.15(a) 33 CFR 67.01-1
•	Verify location and audible range for structure's classification	33 CFR 67.10-5(b) 33 CFR 67.20-10 & .25-10
•	Verify approval	33 CFR 67.10-15 33 CFR 67.10-35
•	Witness a test of sound signal(s) and fog detection device	33 CFR 67.10-10
•	Verify audible in a 360-degree arc (minimal obstructions blocking the sound path)	33 CFR 67.10-5(a)
•	Verify automatic operation or procedures to activate while crew is sleeping or facility is unmanned	33 CFR 67.10-10(a) 33 CFR 67.20-10(b) & .25- 10(a)(2)
	Topside Equip	ment
48. In	spect guards and rails - BSEE PINC Z	-135
•	Verify installation	33 CFR 143.110(a)
•	Verify configuration	33 CFR 143.110(a)
•	Verify rails provided	33 CFR 143.110(c)
49. In	spect personnel landings - BSEE PINC Z-130	
•	Verify sufficient landings provided	33 CFR 143.105(a)
•	Verify adequately maintained to ensure safe access and egress	33 CFR 143.105(a)
•	Verify illumination	33 CFR 143.105(b)
Emergency Drill		
50. Evaluate abandon platform drill - BSEE PINC Z-200		PINC Z-200
•	Evaluate abandon platform drill procedures and crew's ability to perform assigned duties	33 CFR 146.130 33 CFR 146.140(e)(2)
•	Verify assigned personnel are prepared for launching of life floats, lifeboats or life rafts	33 CFR 146.115(b)(4)
•	Verify crew is proficient at donning lifejackets (no work vests)	33 CFR 146.115(b)(3)

• Verify presence of person responsible to launch the life float, lifeboat or liferafts

33 CFR 146.120

Follow-Up

51. Is	sue Deficiencies	
•	Identify deficiencies	46 CFR 2.01-10(a)
•	Determine deficiency reference cite	46 USC 3313(b) MSM II/A.2.C.4.b
•	Discuss deficiencies and corrective measures/timeframe with facility PIC or representative	46 CFR 2.01-10 MSM II/A.2.C.2
•	Issue signed CG-835 to facility PIC or representative	MSM II/A.2.C.2.b(2) 46 CFR 2.01-10(a)
52. Ve	erify deficiency corrections	
•	Determine verification method for identified deficiencies	MSM II/A.2.C.4
•	Determine deficiency's reference cite	MSM II/A.2.C.4.a
•	Clear deficiencies in MISLE activity	MSM II/A.2.C.2.d MISLE USER Guide 7.g.ii.3.i
	omplete Maritime Information for Safety ctivity	y and Law Enforcement (MISLE)
•	Open existing activity in MISLE	MSM I/12.G.2.a MISLE User Guide
•	Update inspection results	MSM I/12.H.1 MISLE User Guide
•	Update activity narrative	MSM I 12.H.1 MISLE User Guide
•	Change activity status to "Open- Submitted for Review"	MSM 1/12.H.1 MISLE User Guide
•	Forward required documentation to appropriate Bureau of Safety and Environmental Enforcement (BSEE) District Office	MSM II/G.5.D.2.f(6)

Section 3: Drills

⊔ <u>Abandonment L</u>	<u> Jriii:</u>	
General alarms / signals	Familiarity with duties	Boat release
Muster lists	Provide equipment	Boat operation
Muster of crew	Familiarity with equipment	Egress procedures
Crew response	Lower lifeboat	Davit-launched liferaft drill
Language understood by crew	Brake operation	Comms w/ control room
Lifejackets	Engine start	Lighting
33 CFR 146.125; 77 FR 70172		
Location:	Time	to Water:
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Notes:		

Section 4: Appendices

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"

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)	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.

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(2)Hazards – P (Primary);
S (Secondary);
O (Oxygen Deprivation);
F (Flammability);
T (Toxicity)
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Examples (not limited to) of non-confined spaces that may pose a hazard:

Non-confined spaces that may pose a risk (All vessel types)	Possible Hazard(s)	Safe Work Practice
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
Bos'n Shop	O ₂ deprivation	Ensure proper ventilation
Workshops	Toxicity from welding fumes, Flammability, Noise	Ensure proper ventilation
Compressor Rooms ⁽¹⁾	O ₂ deprivation, Flammability	See Note 1
Provisions/Non-Flammable Storage	O ₂ deprivation	Ensure proper ventilation
Open Cargo Deck	Flammability	Ensure use of intrinsically safe radios, flashlight, phone, etc.

¹⁾ Space is monitored every thirty minutes by gas detection system. Enter these spaces after ensuring these are safe for entry and after ensuring the gas detection system is calibrated and functioning properly and gas levels detected are safe for entry. A marine chemist certificate is not required prior to entry.

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).

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Conversions:

Distance and Energy				
Kilowatts (kW)	Х	1.341	= Horsepowe	r (hp)
Feet (ft)	X	3.281	= Meters (m)	
Long Ton (LT)	X	.98421	= Metric Ton	(t)
Liquid (NOTE: Values are approximate.)				
Liquid	bbl/LT	m³/t	bbl/m³	bbl/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 Metr	ic Ton = 2204 I	bs
1 Short Ton =	2000 lbs	1 Cubi	c Foot $= 7.48 g$	al
1 Barrel (oil) =	5.61 ft = 42 gal = 6.29 m ³	1 psi	= .06898 of wat	5 Bar = 2.3106 ft er
Temperature : Fahrenheit = Celsius (${}^{\circ}F = 9/5 {}^{\circ}C + 32$ and ${}^{\circ}C = 5/9 ({}^{\circ}F - 32)$)				
0 = -17	.8 80	= 26.7	200	= 93.3
32 = 0	90	= 32.2	250	= 121.1
40 = 4.4	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
Pressure: Bars = Pounds per square inch				
1 Bar = 14	1.5 psi 5 Bars	= 72.5	5 psi 9 Bars	= 130.5 psi
2 bars = 29	9.0 psi 6 Bars	= 87.0) psi 10 Bars	= 145.0 psi
3 Bars = 43	3.5 psi 7 Bars	= 101.	5 psi	
4 Bars = 58	3.0 psi 8 Bars	= 116.	0 psi	