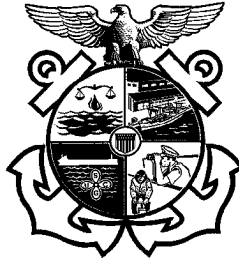


United States Coast Guard



PORT STATE CONTROL "PSC B" Job Aid

Name of Vessel	Flag <input type="checkbox"/> No Change
IMO Number	MISLE Activity Number
Date	Exam Type
Location	
Vessel Built in Compliance with SOLAS: 60 74 74/78 NA	
Port State Control Officer & Examiners (List PSCO first)	
1. _____	5. _____
2. _____	
3. _____	
4. _____	

Use of Port State Control Job Aid:

This book is intended to be used by Coast Guard Port State Control (PSC) examiners during foreign-flagged vessel exams. It contains the items that should be examined during a PSC B exam. The PSCO may expand the scope of any exam when there are clear grounds for believing that the condition of the vessel or its equipment does not correspond substantially with the particulars of the certificates, and should reference the PSC A job aid when expanding the exam in the relevant area(s).

The PSC B exam scope was developed to follow the guidelines in the Procedures for Port State Control as well as to add emphasis to areas where a higher risk has been identified in the current regulatory environment (e.g. ballast water, MARPOL Annex VI - ECA). As a matter of routine, certain operational tests and drills will NOT be performed during PSC B exams unless determined by the PSCO to be necessary as part of an expanded exam. *Reasons for expanding the exam must be documented in the MISLE narrative.*

This job aid cites regulations from 74 SOLAS (20), MARPOL, STCW and other conventions and codes. In some cases, the regulations in 74 SOLAS (20) may not apply due to the keel laid date of the vessel. PSC personnel must pay close attention to the applicability dates & verify the correct cites prior to recording deficiencies. USCG policies, such as MSM II are also provided as references. These should never be cited when recording a deficiency on the Form B.

Duty to record deficiencies. All deficiencies identified by the PSCO during the PSC exam should be recorded on the CG-5437B (Form B) and in the activity inspection results. This includes deficiencies corrected prior to the PSCO's departure (i.e. 10c).

This document does not establish or change laws or regulations. References given are only general guides. Refer to IMO publications, CFR's, TTP, NVIC's, and any locally produced guides for specific regulatory references. Prior to the exam, PSCOs should identify the vessel type (e.g. freight, tank), consider potential hazards, such as cargo or confined spaces, and consult the relevant training aid for tasks related to the cargo system.

Summary of Updates:

- This page: Added "Duty to record deficiencies."
- Section 2: Revised Bridge & Navigation.
- Section 4: Revised Enhanced Exam Checklist for CY21, 3Q.

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**Adobe Printing Instructions: Page Sizing & Handling Block>Booklet
Booklet Subset: Both sides; Binding: Left**

References:

The following non-inclusive list of references may guide a PSC exam:

- Procedures for Port State Control, IMO Resolution A.1138(31)
- [Marine Safety Manual \(MSM\) Volume II, COMDTINST M16000.7B](#)
- [Port State Control Examiner TTP, CGTTP 3-72.12\(series\)](#)
- Vessel class-specific TTP, training aids & policy

Additionally, the following Conventions, Codes, and regulations apply, and may be cited for applicable deficiencies found during the exam:

- 74 SOLAS (20)*
- International Convention for the Prevention of Pollution from Ships, 1973, Consolidated Edition 2017 (MARPOL)
- International Convention on Standards of Training, Certification and Watchkeeping for Seafarers, 2017 edition (STCW)
- International Convention on Load Lines, 2005 Edition (ICLL)
- International Convention on Tonnage Measurement (ICTM)
- Antifouling Systems Convention (AFS)
- International Safety Management Code, 2018 Edition (ISM)
- Life Saving Appliances Code, 2017 Edition (LSA)
- Fire Systems Safety Code, 2015 Edition (FSS)
- International Ship and Port Facility Security Code, 2012 Edition (ISPS)
- 33 Code of Federal Regulations (CFR)
- 46 United States Code (USC)

* Depending on applicability, see earlier SOLAS editions if needed.

Section 1: General Examination

Dockside Assessment

- 1. Examine anchor(s) and chain
 - Verify condition of anchor(s) ILO-147 p48/3(g)
MSM II/E.2.6.b
 - Verify condition of visible anchor chain ILO-147 p48/3(g)
MSM II/E.2.6.b

- 2. Examine hull for required markings
 - Verify Load Line is permanently marked ICLL 5-9
 - Verify presence of deck line ICLL 4
 - Verify IMO number SOLAS 20 XI-1/3
 - Verify draught marks SOLAS 20 II-1/5.6

- 3. Examine material condition of hull
 - Evaluate hull for signs of pollution/illegal discharge 33 USC 1321
MARPOL I/15
 - Evaluate hull strength and integrity SOLAS 20 II-1/3-1
ICLL I/1

- 4. Examine access ladders and sideshell openings
 - Examine means of embarkation (gangway/ladders) SOLAS 20 II-1/3-9
 - Examine cargo ports and other similar openings ICLL 21
 - Examine sidescuttles (windows/skylights) ICLL 23
 - Examine pilot transfer arrangements SOLAS 20 V/23

- 5. Examine hull, anchors and anchor chain for biofouling & sediment
 - Verify hull/anchor is free of organisms and sediment 33 CFR 151.2050(e)(f)
MSM II/D.1.G.1.t
 - Evaluate condition of hull anti-fouling coating AFS Convention
MSM II/D.1.G.1.t

- 6. Examine mooring system/equipment
 - Examine configuration of mooring lines arrangements 33 CFR 194.19
MSM II/E.2.H.6.b
 - Verify condition of mooring lines SOLAS 20 II-1/3.8
MSM II/E.2.H.6.b

Security Examination

- 7. Examine security procedures at vessel access point(s)
 - Verify all access points are monitored ISPS A/7.2.2
33 CFR 104.265(a)
 - Observe gangway watch control of embarkation of persons and effects ISPS A/7.2.3
33 CFR 104.265(a)

Certificates & Documents

Examine the following certificates, verifying validity and notations of particulars and equipment. ****NOTE: These certificates shall be examined during a PSC B exam, however the only documents required to have fields input into MISLE are denoted with an *.**

- 8. Certificate of Registry SOLAS 20 I/13, 46 USC 3303
- 9. Classification Society Certificate SOLAS 20 I/6(a)
- 10. International Tonnage Certificate (ITC) ICTM 69 Articles 7, 9 & 10
- 11. * International Load Line Certificate (ILLC) ICLL Articles 15, 16, 18 & 19
 - Confirm load line observed on hull matches certificate ICLL Reg 9
- 12. * Cargo Ship Safety Construction Certificate (CSSCC)
 - SOLAS 20 I/12(a)(ii), I/16, I/10, I/14 & I/15
- 13. * Cargo Ship Safety Equipment Certificate (CSSEC) and Record of Equipment (Form-E)
 - SOLAS 20 I/12(a)(iii), I/16, I/8, I/14, I/15

14. Cargo Ship Safety Radio Certificate (CSSRC) and Record of Equipment (Form-R)
- SOLAS 20 I/12(a)(iv), I/16, I/9,
I/14 & I/15
15. *Cargo Ship Safety Certificate (CSSC) and Record of Equipment (Form-C)
- SOLAS 20 I/12(a)(v), I/16, I/8-10,
I/14 & I/15
16. Copy of Document of Compliance (ISM-DOC)
- SOLAS 20 IX/4.2, IX/5;
ISM Code 13.2-5, Code 16
17. * Safety Management Certificate (ISM-SMC)
- SOLAS 20 IX/4.3;
ISM Code 13.7, 13.51, 16
18. Minimum Safe Manning Document
- Verify manning in accordance with document SOLAS 20 V/14.1, V/14.2;
 - Spot check seafarer credentials STCW I/2.9, I/14
19. * Continuous Synopsis Record (CSR) **NOTE: A copy should be uploaded into vessel certificates in MISLE.**
- Verify continuous history from 1 July 2004 SOLAS 20 XI-1/5.2.2
SOLAS 20 XI-1/5.6
 - Verify details SOLAS 20 XI-1/5.3
SOLAS 20 XI-1/5.4.1-4.3
20. * International Ship Security Certificate (ISSC)
- SOLAS 14 XI-2/4.2,
ISPS Code A/19.2
21. * International Oil Pollution Prevention Certificate (IOPP) and Record of Construction and Equipment (Form-A)
- MARPOL I/7, 8, 9 & 10
22. * International Air Pollution Prevention Certificate (IAPP) and Supplement
- MARPOL VI/6, 8, 9
CG-543 Policy Ltr 09-01

- 23. Engine International Air Pollution Prevention (EIAPP) Certificate(s)
MARPOL VI/13.8
NOx Code 2.1.1, 2.2.10

- 24. Ballast water management documents
 - Verify compliance date 33 CFR 151.2035(b)
 - Verify type approval certificate if fitted with USCG type approved BWMS 46 CFR 162.060-10
 - Verify AMS Acceptance Letter, if fitted with accepted AMS BWMS 33 CFR 151.2025(a)(3)
 - Verify Ballast Water Management Plan 33 CFR 151.2050(g)
NVIC 18-01
 - Verify NBIC report consistent with onboard records 33 CFR 151.2060 & 2070

Logs & Manuals

** Per MEPC.312(74) "Guidelines for the use of electronic record books under MARPOL", Electronic Record Books may be used if acceptable to the administration.

- 25. Examine Oil Record Book Part I (ORB) **
 - Verify proper entries MARPOL I/17.2-5
33 CFR 151.25
 - Verify completed ORBs MARPOL I/17.6
33 CFR 151.25

- 26. Examine Garbage Record Book **
 - Verify contents MARPOL V/10.3
33 CFR 151.55
 - Verify receipts MARPOL V/10.3

SMS Emergency Procedures & Cyber

The following questions apply until December 31, 2021. CVC-WI-027 provides additional details.

- 1. Has the company completed a DOC audit after January 1, 2021? If so, have risk control processes, measures, and contingencies been implemented onboard to protect against a cyber-event and ensure continuity of shipping operations in accordance with the guidelines in reference (e)?
- 2. Are there procedures to monitor service technicians, cargo stevedores, and other visitors' interactions with vital electronic equipment on board the vessel?
- 3. Has the vessel implemented measures to address cyber hygiene?

Document in the activity narrative as follows:

Verified SMS Emergency Procedures and Cyber Hygiene. Vessel was found in substantial compliance. - OPTIONAL – Vessel's company has not received annual DOC audit at time of exam. OR

Verified SMS Emergency Procedures and Cyber Hygiene. Vessel was not found to be in substantial compliance. Issued a deficiency recommending an internal SMS audit within 30 days.

Section 2: Hull Examination

Bridge & Navigation

- 27. Witness operational test of steering gear
 - Verify rudder angle indicator is accurate and consistent with local indicator SOLAS 20 II-1/29.11.1
MSM II/D.1.G.1.d(9)

- 28. Examine Voyage Data Recorder (VDR)
 - Verify presence of VDR or simplified VDR (S-VDR) SOLAS 20 V/20
IMO Res A.861(20)
 - Examine Certificate of Compliance SOLAS 20 V/18.8

- 29. Examine Global Maritime Distress and Safety System (GMDSS) equipment
 - Verify appropriate equipment for assigned sea area(s) SOLAS 20 IV/8-11
IMO Res A.694(17)
 - Verify stowage of Search and Rescue Transponder(s) (SART) SOLAS 20 IV/7.1.3
SOLAS 20 III/6.2.2
 - Verify installation of 406MHz EPIRB SOLAS 20 IV/7.1.6

- 30. Examine internal means of communication
 - Witness communication with control room SOLAS 20 II-1/37
 - Witness communication with steering gear compartment SOLAS 20 II-1/29.10
33 CFR 164.35(o)

Health & Safety

Per COMDTINST 16711.12A, ILO-147 Cites must be accompanied by an enforceable U.S. statute. The current statute is 46 U.S.C. 70002. As the U.S. is not signatory to the Maritime Labour Convention (MLC), the USCG will only enforce the applicable provisions of ILO-147 (which is incorporated in the MLC), citing both ILO-147 and **46 U.S.C. 70002**.

- 31. Examine vessel for general safety items
 - Verify safe access to all spaces ILO-147 p45/3(b)
 - Verify spaces adequately lit ILO-147 p44/3(a)
 - Verify no electrical hazards SOLAS 20 II-1/40
SOLAS 20 II-1/45
 - Verify warning notices posted as necessary ILO-147 p44/3(a)

- 32. Examine means of escape
 - Verify means of escape and confirm access SOLAS 20 II-2/13.1
SOLAS 20 II-2/13.3.3
 - Verify emergency lighting SOLAS 20 II-1/43.2.2
 - Verify route(s) is marked and illuminated SOLAS 20 II-2/13.3
 - Verify machinery space escape ladders SOLAS 20 II-2/13.4.2
 - Verify Emergency Escape Breathing Device (EEBD) locations & condition SOLAS 20 II-2/13.3.4
SOLAS 20 II-2/13.4.3
FSS Code 3.2.2

Lifesaving Equipment

- 32. Spot check condition of lifejackets
 - Verify light SOLAS 20 III/32.2.2
SOLAS 20 III/32.2.3
 - Verify whistle LSA Code 2.2.1.14
 - Verify retro-reflective tape IMO Res A.658(16)
 - Verify stowage SOLAS 20 III/7.2.2
- 33. Spot check condition immersion suits and stowage (when applicable)
 - Verify stowage SOLAS 20 III/32.3.4
- 34. Examine inflatable liferafts and installations
 - Verify liferaft capacity requirements SOLAS 20 III/31.2
LSA Code 4.2
 - Verify stowage SOLAS 20 III/13.4.1-4.4
SOLAS 20 III/13.5-.6
 - Evaluate launching arrangements SOLAS 20 III/12
SOLAS 20 III/16
 - Verify markings LSA Code 4.2.6.3
 - Verify condition SOLAS 20 III/20.2
MSM II/D.1.G.1.o(5)
 - Verify annual service dates SOLAS 20 III/20.8.1

- 35. Examine lifeboat
 - Verify required number SOLAS 20 III/31.1
SOLAS 20 III/31.2
 - Verify stowage SOLAS 20 III/11.1
SOLAS 20 III/13 & 14
 - Verify markings LSA Code 4.4.9
LSA Code 4.4.1.2
 - Verify condition SOLAS 20 III/20.2
MSM II/D.1.G.1.o(5)
 - Verify presence of required equipment LSA Code 4.4.8
LSA Code 4.4.4.7.5
 - Examine release gear(s) SOLAS 20 III/16.4
LSA Code 4.7.6
 - Verify instructions inside for release gear SOLAS 20 III/9
 - Witness operational test of engine SOLAS 20 III/19.3.4.1.6
SOLAS 20 III/20.6.2
 - Witness operational test of steering LSA Code 4.4.7.2

- 36. Examine survival craft launching appliances
 - Examine condition of davit(s) and associated components SOLAS 20 III/20.2 & .4
LSA Code Chapter 8

- 37. Examine rescue boat
 - Verify required number SOLAS 20 III/31.2
LSA Code 5.1.1.1
 - Verify embarkation and launching arrangement(s) SOLAS 20 III/17
SOLAS 20 III/11
 - Verify presence of equipment LSA Code 5.1.1.10
LSA Code 5.1.1.11
 - Verify stowage SOLAS 20 III/14
 - Witness operational test of engine SOLAS 20 III/19.3.4.6
SOLAS 20 III/20.6.2

Firefighting Systems

38. Examine fire hose stations
- Verify type, length and condition of hose SOLAS 20 II-2/10.2.3.1.1
SOLAS 20 II-2/10.3.1.2
 - Verify type and condition of nozzle SOLAS 20 II-2/10.2.3.3
SOLAS 20 II-2/10.2.3.1.2
 - Verify operational condition of hydrant valve SOLAS 20 II-2/14.2.1.2
MSM II/D.1.G.1.o.(6)(c)
 - Verify location(s) consistent with Fire Control Plan SOLAS 20 II-2/15.2.4.1
SOLAS 20 II-2/10.2.3.2.1
39. Examine international shore connection
- Verify storage location consistent with Fire Control Plan SOLAS 20 II-2/15.2.4.1
 - Verify presence of flange, bolts, washers and gasket FSS Code 2.2.2
MSM II/D.1.G.1.o.(6)(c)
40. Examine fire-fighter's outfits
- Verify storage location consistent with Fire Control Plan SOLAS 20 II-2/15.2.4.1
 - Verify quantity SOLAS 20 II-2/10.10.2.1
SOLAS 20 II-2/10.2.4
 - Verify condition of equipment FSS Code 3.2.1
 - Verify presence of spare air charges SOLAS 20 II-2/10.10.2.5
41. Examine portable fire extinguishers
- Verify locations consistent with Fire Control Plan SOLAS 20 II-2/15.2.4.1
MSM II/D.1.G.1.o(6)(a)
 - Verify stowage SOLAS 20 II-2/10.3.2.4
SOLAS 20 II-2/10.3.2.2
 - Verify condition of extinguishers SOLAS 20 II-2/14.2.1.2
FSS Code 4.2
 - Verify presence of spare charges SOLAS 20 II-2/10.3.3
42. Examine Fire Control Plan
- Verify currency of plan or booklets SOLAS 20 II-2/15.2.4.1
 - Verify content & language(s) of plan(s) or booklets SOLAS 20 II-2/15.2.4.1
MSM II/D.1.G.1.o(6)
 - Verify stowage of duplicate set of plan(s) SOLAS 20 II-2/15.2.4.2

43. Examine areas for compliance with Structural Fire Protection (SFP) requirements
- Verify SFP boundaries with fire control plan SOLAS 20 II-2/9.2.3
SOLAS 20 II-2/15.2.4.1
 - Ensure no unapproved SFP modifications SOLAS 20 II-2/14.2.1.1.1
SOLAS 20 II-2/5.3
 - Evaluate fire door operation SOLAS 20 II-2/9.2.3.4.1
SOLAS 20 II-2/14.2.1.1
 - Verify electric cable/pipe penetrations are compatible with fire control boundaries SOLAS 20 II-2/9.3
 - Verify operational tests of ventilation system controls SOLAS 20 II-2/5.2
SOLAS 20 II-2/14.2.2.3.5
44. Examine fixed fire detection and alarm systems
- Verify operation SOLAS 20 II-2/7.4 & .5
SOLAS 20 II-2/14.2.1.1.2
 - Verify power sources FSS Code 9.2.2
 - Verify operation of alarms FSS Code 9.2.5.1
 - Verify operation of manually operated call points SOLAS 20 II-2/7.7
SOLAS 20 II-2/14.2.1.1.2
 - Verify periodic testing SOLAS 20 II-2/7.3.2
SOLAS 20 II-2/14.2.2.3.2
45. Examine fire main system(s)
- Verify number of pumps SOLAS 20 II-2/10.2.2.2
 - Verify location(s) SOLAS 20 II-2/10.2.2.3.2.1
 - Verify remote start operation SOLAS 20 II-2/10.2.1.2.2.2
 - Verify operation of emergency fire pump SOLAS 20 II-2/10.2.2.3.2
SOLAS 20 II-2/14.2.1.2
 - Verify pressure SOLAS 20 II-2/10.2.1.6
 - Verify relief valve installation SOLAS 20 II-2/10.2.1.4.3
 - Verify condition of fire main piping SOLAS 20 II-2/14.2.1.2
46. Examine fixed pressure water-spraying and water mist fire extinguishing systems
- Verify fixed system is arranged as indicated on fire control and/or general arrangement plan(s) SOLAS 20 II-2/10.4.1.1.3
SOLAS 20 II-2/10.4.4
 - Verify sprinkler pump arrangement for automatic activation SOLAS 20 II-2/14.2.1.2
FSS Code 8.2.3.3

47. Examine fixed high pressure CO2 system
- Verify system is arranged as indicated in fire control and/or general arrangement plan SOLAS 20 II-2/10.4.1.1.1
MSM II/D.1.G.1.o(6)(a)
 - Verify control valves are arranged and marked FSS Code 5.2.1.3.1
FSS Code 5.2.2.2
 - Verify operating instructions at control stations FSS Code 5.2.1.3.3
 - Verify closures for protected space openings SOLAS 20 II-2/10.4.2
 - Verify storage room arrangements SOLAS 20 II-2/10.4.3
 - Verify condition/serviceability SOLAS 20 II-2/14.1
IMO MSC.1/Circ. 1318
48. Examine fixed high-expansion foam fire extinguishing system
- Verify system is arranged as indicated in the fire control and/or general arrangement plan(s) SOLAS 20 II-2/10.4.1.1.2
MSM II/D.1.G.1.o(6)(a)
 - Verify quantity and performance of foam concentrates FSS Code 6.3
IMO MSC/Circ. 670
49. Examine low pressure CO2 fixed fire fighting system
- Verify system is arranged as indicated in fire control and/or general arrangement plan(s) SOLAS 20 II-2/10.4.1.1.1
MSM II/D.1.G.1.o(6)(a)
 - Verify control valves are arranged and marked FSS Code 5.2.1.3.1
FSS Code 5.2.2.2
 - Verify operating instructions at control stations FSS Code 5.2.1.3.3
 - Verify closures for protected space openings SOLAS 20 II-2/10.4.2
 - Verify storage room arrangements SOLAS 14 II-2/10.4.3
FSS Code 5.2.2.4.1
 - Verify condition/serviceability SOLAS 20 II-2/14.1
IMO MSC.1/Circ. 1318
 - Verify alarms and indicators FSS Code 5.2.2.4.3
FSS Code 5.2.2.4.11
 - Verify safety relief valves FSS Code 5.2.2.4.3
FSS Code 5.2.2.4.4

Structural & Watertight Integrity

- 50. Examine watertight doors and weathertight openings
 - Ensure all external openings are watertight SOLAS 20 II-1/15-1
SOLAS 20 II-1/16-1
 - Verify down-flooding openings have weathertight closures ICLL I/19(4)
ICLL I/20
 - Evaluate condition of weathertight door(s) and hatches ICLL I/12(1)
ICLL I/16

- 51. Examine general condition of hull and structural members
 - Examine condition of ladder ways, guardrails, fire mains, piping, hatch covers & watertight/weathertight closures ICLL I/12-25
MSM II/D.1.G.1.b(1)
 - Evaluate hull strength and integrity ICLL I/11
MSM II/D.1.G.1.b(2)

- 52. Examine structural/watertight integrity of the deck/hull
 - Assess condition of components SOLAS 20 II-I/13-1.1
ICLL I/12
 - Assess condition of ventilator closures ICLL I/19(4)

Section 3: Machinery Examination

Machinery

- 53. Examine steering gear assembly and operation
 - Examine condition of system SOLAS 20 II-1/29.1-.3
 - Verify suitable arrangements and access to machinery SOLAS 20 II-1/29.13
 - Witness functional system tests SOLAS 20 II-1/29.3.2
SOLAS 20 II-1/29.11.1-2

- 54. Examine arrangements for propulsion engine(s)
 - Examine condition of components SOLAS 20 II-1/26.1
 - Verify installation of machinery covers and guards SOLAS 20 II-1/26.1
SOLAS 20 II-2/4.2.2.6.1
 - Verify high pressure fuel lines are double jacketed SOLAS 20 II-2/4.2.2.5.2
 - Verify no leaks of flammable liquids SOLAS 20 II-2/4.1.1
 - Verify engineers alarm is installed and operational SOLAS 20 II-1/38
 - Verify emergency stopping device is installed SOLAS 20 II-1/31.2.3

- 55. Examine main service generators and prime mover(s)
 - Examine condition of components SOLAS 20 II-1/26.1
 - Verify installation of machinery covers and guards SOLAS 20 II-1/26.1
SOLAS 20 II-2/4.2.2.6.1
IMO MSC/Circ. 834
 - Verify required prime mover detectors/gauges SOLAS 20 II-1.47.2
 - Verify no leaks of flammable liquids SOLAS 20 II-2/4.1.1
 - Verify high pressure fuel lines are double jacketed SOLAS 20 II-2/4.2.2.5.2

- 56. Examine bilge pumps installation, piping, and valves
 - Examine bilge system components SOLAS 20 II-1/35-1.2
 - Verify valve indicators SOLAS 20 II-1/35-1.3.12

57. Examine machinery spaces
- Evaluate condition of machinery and related equipment
IMO Res A.1138(31) Appendix 6/3.2
MSM II/D.1.G.1.c(2)
 - Evaluate fire risk in spaces/bilges and means to control leaks of flammable liquids
SOLAS 20 II-2/4.1.2
MSM II/D.1.G.1.o(6)(d)
 - Evaluate monitoring of bilge wells for protection against flooding
SOLAS 20 II-1/48.1
SOLAS 20 II-1/31.3
 - Ensure personnel hazards are mitigated (rotating equipment, hot surfaces, railings, etc.)
SOLAS 20 II-1/26.1
SOLAS 20 II-2/4.2.2.6
58. Examine emergency generator(s) and prime mover(s)
- Examine condition of components
SOLAS 20 II-1/26.1
SOLAS 20 II-1/44.3
 - Verify installation of machinery covers and guards
SOLAS 20 II-1/26.1
IMO MSC/Circ. 834
 - Verify independent fuel supply
SOLAS 20 II-1/43.3.1.1
 - Verify operation of remote fuel shutoff valve
SOLAS 20 II-2/4.2.2.3.4
MSM II/D.G.1.c.6
 - Verify arrangement of auto-start function
SOLAS 20 II-1/43.3.1
SOLAS 20 II-1/44.4.1 & .2
 - Witness operation of starting arrangements
SOLAS 20 II-1/44.2

Pollution Prevention

- 59. Examine Oily Water Separator (OWS) and bilge monitor/alarm (OCM)
 - Verify OWS/OCM approval type MARPOL I/14
G-PCV Policy Ltr 06-01
 - Review records MSM II/D.1.G.1.p(1)
G-MOC Policy Ltr 04-13
 - Verify OCM is sealed MSM II/D.1.G.1.p(3)
MEPC.107(49)
 - Verify OCM is calibrated MSM II/D.1.G.1.p(3)
G-MOC Policy Ltr 04-13
 - Verify presence of consumables
IAW manufacturer's instructions MSM II/D.1.G.1.p(3)

- 60. Verify fuel compliance with MARPOL Annex VI
 - Review records MARPOL VI/3, 4, 14 & 18
CVC-WI-022
 - Verify fuel receipts MARPOL VI/18
CVC-WI-022
 - Verify fuel oil SO_x MARPOL VI/14
CVC-WI-022
 - Verify alternative arrangements for
meeting emissions standards MARPOL VI/4 & 3
CVC-WI-022

- 61. Examine Ballast Water Management System (BWMS)
 - Verify placard matches USCG
approval certificate or AMS
acceptance letter 46 CFR 162.060-22 & -10
33 CFR 151.2026
 - Verify operation 33 CFR 151.2025
 - Verify Operation, Maintenance &
Safety Manual 46 CFR 162.060-38

Section 4: Enhanced Examination

Discussion & Instructions

Discussion. Enhanced exams focus on specific systems and processes. They encourage implementation of new regulations by ship owners and operators, and enable the Coast Guard to monitor implementation trends. In addition, enhanced exams may be initiated by the Coast Guard to focus on systems or components that relate to more serious deficiencies, which otherwise would not be readily identified during a PSC exam. Enhanced exam topics are applicable on a quarterly basis. The scope of the exam depends on the system, components, or processes being examined. Drills are the enhanced exam subject for July – September, 2021.

Instructions. A checklist is not required to be submitted. See drill tasks below, and document drill performance in the activity narrative and inspection results. The applicable deficiency codes are from “04 – Emergency Systems” as follows:

- 04109 – Fire drills
- 04110 – Abandon ship drills
- 04118 – Enclosed space entry and rescue drills

Enhanced Examination: Drills

- 62. Evaluate fire drill
 - Verify drill performed and crew participated SOLAS 20 III/19.3.2
SOLAS 20 III/19.5
 - Witness drill procedures and crew performance SOLAS 20 III/19.3.5
SOLAS 20 III/19.4.2.4
 - Evaluate crew's ability to effectively respond to emergency(s) SOLAS 20 III/19.3.5.2.1
 - Verify effective communication SOLAS 20 III/19.3.5.2.4
MSM II/D.1.G.1.r(2)
 - Witness drill debrief SOLAS 20 II-2/15.2.2.3

- 63. Evaluate abandon ship drill
 - Witness drill procedures and crew performance SOLAS 20 III/19.3.4.1
MSM II/D.1.G.1.r(1)
 - Witness crew's competency to launch lifeboats (Not required to launch for PSC exams on cargo vessels). SOLAS 20 III/19.3.4.2
LSA Code 6.2.2.1.1-3
 - Evaluate crew's proficiency at donning lifejackets SOLAS 20 III/7.2
SOLAS 20 III/19.3.4.4
 - Witness drill debrief SOLAS 20 III/19.3

- 64. Verify enclosed space entry drill
 - Verify drill performed and required crew participated SOLAS 20 III/19.3.3
SOLAS 20 III/19.5
 - Examine rescue equipment SOLAS 20 III/19.3.6.2
 - Review rescue procedures SOLAS 20 III/19.3.6.2

☐ Abandon Ship Drill Checklist:

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 20 III/19.3.4; MSM Vol. II/D.1.G.1.r(1))

Location: _____ Time to Water: _____

Notes: _____

** Lifeboat launching and operation in the water is not required for USCG PSC exams on cargo vessels.

