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# U.S. COAST GUARD



## FOREIGN TANK VESSEL EXAMINER (FTVE)

### PORT STATE CONTROL OFFICER PERFORMANCE AND QUALIFICATION STANDARD



Marine Inspection and Investigation School  
Training Center Yorktown

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# Foreign Tank Vessel Examiner Performance and Qualification Standard

## Competency Code: FTVE

### References:

- (a) U.S. Coast Guard Sector Organization Manual, COMDTINST M5401.6 (series)
- (b) Marine Safety: Port State Control, COMDTINST 16000.73(series)
- (c) Performance, Training & Education Manual, COMDTINST M1500.10 (series)
- (d) Safety and Environmental Health Manual, COMDTINST 5100.47 (series)
- (e) Port State Control Examiner TTP, CGTTP 3-72.12

This Performance and Qualification Standard (PQS) workbook is your On the Job Training (OJT) performance checklist for certification as a Foreign Tank Vessel Examiner (FTVE). It is your responsibility to document all completed unit training items and keep track of all examinations completed during this process by filling out the Port State Control (PSC) Examination Log located in appendix C of this workbook.

This qualification is not restricted to any particular rank or rate. Civilian GS employees are also eligible.

The FTVE competency is one of five “specific cargo/vessel related” Port State Control Officer (PSCO) competencies.

This PQS workbook cites SOLAS regulations from the 2020 Consolidated Edition (74) SOLAS (20). 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 of the SOLAS chapters and regulations when conducting PSC exams.

This PQS workbook contains the necessary tasks and steps for a PSCO to conduct an FTVE examination. Those members who will be conducting inspections on foreign tank vessels are required to complete all tasks and steps in this PQS workbook. Certain tasks associated with inspections on foreign vessels were intentionally separated from this baseline qualification in order to streamline the national certification process and limit the need to defer tasks. To qualify for an endorsement to perform specialized tasks you will be required to complete the specific tasks and steps associated with that particular type of inspection which are incorporated in the following addendum workbook:

DCN: MPS-PQS-TCY-PA – Polar

The following is a brief overview of how this PQS workbook works. On each task card you will find:

1. **Job:** the formal title of the qualification.  
*Example: “Port State Control Examiner”*
2. **Job Accomplishment:** the main deliverable for the qualification.  
*Example: “Port State Control Examination”*

3. **Major Accomplishment:** the valuable products of a job or specialty which collectively make up the job accomplishment.  
*Example: "Lifesaving Equipment Examination"*
4. **Vessel types:** the specific type of vessels within the formal title of the qualification that the task is associated with.  
*Example: "Port State Control Vessel"*
5. **Task:** action to be performed on the job. A unit of behavior which has value for producing major accomplishments/output; has a definite beginning (stimulus); is made up of two or more steps; and results in a measurable output.
6. **Condition:** specifies assistance, aids or constraints the trainee will be given. It states the condition(s)/limit(s) under which the task will be performed.
7. **Standard:** specifications of the levels of accuracy and quality necessary for success, i.e. how well a trainee must carry out the desired performance to complete the task.
8. **Steps:** the sequence of actions required to complete the task.

Ideally, all steps and tasks within the PQS workbook shall be required to be completed prior to obtaining the FTVE competency. With the exception the training prerequisites listed on page (I), the Sector Commander or designee may defer PQS items as authorized by references (a) and (d). If a task is deferred, the reason for deferment must be clearly articulated in both the PQS workbook and the certification letter for record keeping and accountability. Additionally, if a task is deferred that member is not authorized to conduct that specific task.

All tasks and steps must be validated by a certified Verifying Officer (VO). The VO shall observe the successful performance of each task and document such with signatures in the specific task card. VOs must enter their title, name and initials in the Record of Verifying Officer's section before making entries in your PQS workbook.

A Certification Board should only be completed after all tasks and steps are signed by a VO. Upon satisfactory completion of the board, a Letter of Certification/Designation will be issued and the **Unit Training Coordinator should enter the certification in the Training Management Tool (TMT).**

**Appendices:**

- A. Glossary
- B. Port State Control Examination Log



Foreign Tank Vessel Examiner PQS

<b>RECORD OF COMPLETION</b>		
<b>Training Prerequisites</b>	<b>Date</b>	<b>Training Coordinator's Signature</b>
A. Completion of Port State Control Examiner (PSCE) competency		
B. Completion of this PQS Workbook		
C. Completion of Tank Vessel Indoctrination or Tank Vessel Inspector Course (100282)		
C. Successful completion of final assessment under the observation of the Verifying Officer		
D. Successful completion of the final oral qualification board		
<b>Qualification Board Members:</b>		
E. Certification/Designation Letter submitted for approval		
F. Once Certification/Designation Letter is signed, enter competency and certification in TMT		
<b>REMARKS:</b>		

Foreign Tank Vessel Examiner PQS

<b>Task Number</b>	<b>Task Description</b>	<b>Date Completed</b>
FTVE-PE01	Schedule examination in Maritime Information for Safety and Law Enforcement (MISLE)	
FTVE-PE02	Conduct meeting with vessel's representative to discuss scope of the examination	
FTVE-CD01	Examine International Oil Prevention Certificate Form B (IOPP)	
FTVE-CD02	Examine Tank Vessel Response Plan (TVRP)	
FTVE-CD03	Examine International Pollution Prevention Certificate for the Carriage of Noxious Liquid Substances (IPPC-NLS)	
FTVE-CD04	Examine crew Certificates of Competency & Proficiency for service on oil tankers	
FTVE-CD05	Verify participation in Enhanced Survey program	
FTVE-LM01	Examine Oil Record Book (Part II)	
FTVE-LM02	Examine cargo and ballast system instructional manual	
FTVE-LM03	Examine inert gas manual(s)	
FTVE-LM04	Examine Procedures & Arrangements (P&A) Manual	
FTVE-LM05	Examine Shipboard Oil Pollution Emergency Plan (SOPEP)	
FTVE-LM06	Examine Cargo Record Book	
FTVE-BN01	Examine additional equipment for tank vessels	
FTVE-LS01	Examine lifeboats	
FTVE-FF01	Examine fixed fire-extinguishing system(s) for cargo pump rooms	
FTVE-FF02	Examine fixed deck foam system	
FTVE-FF03	Examine additional personal fire fighting equipment	
FTVE-ES01	Examine components installed in designated hazardous locations	
FTVE-PP01	Examine containment on deck	
FTVE-TE01	Examine access to bow and emergency towing arrangements	
FTVE-CS01	Examine cargo tank venting arrangements	
FTVE-CS02	Examine cargo pump room	
FTVE-CS03	Examine designated observation area	
FTVE-CS04	Examine liquid cargo transfer systems	
FTVE-CS05	Examine Vapor Control System (VCS)	
FTVE-CS06	Examine tank liquid high level and overfill protection	
FTVE-CS07	Examine fixed/portable vapor detection instruments	

Foreign Tank Vessel Examiner PQS

<b>Task Number</b>	<b>Task Description</b>	<b>Date Completed</b>
FTVE-CS08	Examine Inert Gas System (IGS)	
FTVE-CS09	Witness tests of Inert Gas System (IGS) audible and visual alarms and shutdowns	
FTVE-CS10	Examine oil discharge monitoring and control system (ODME)	
FTVE-CS11	Examine crude oil washing (COW) system	
FTVE-FU01	Verify International Safety Management (ISM) compliance	
FTVE-FU02	Issue or endorse vessel's Certificate of Compliance	



## Appendix A

**Glossary**: The following terms are used in this workbook and should be reviewed in order to better understand its contents:

**Advise**: to counsel or recommend

**Assign**: to give responsibility, to place under the control of a task

**Amend (Modify)**: to make minor changes in/to

**Brief**: to give information or final precise instructions

**Change**: to make different in some particular way

**Check**: to inspect for satisfactory condition, accuracy, safety or performance

**Compare**: to examine (two or more objects, ideas, people, etc.) in order to note similarities and/or differences

**Communicate**: to convey knowledge of or information about: make known

**Confirm**: to validate, establish the truth, accuracy or genuineness of something

**Create**: to cause to happen; bring about; arrange, as by intention or design

**Discuss**: to verbally present a topic in detail for examination or consideration

**Determine**: to settle or decide by choice of alternatives or possibilities. "Decide" refers to arriving at a conclusion and to pronounce that decision. "Determine" is to settle or decide by choice of alternatives or possibilities and to fix precisely

**Endorse**: to approve, support or sustain; to sign one's name on a document or other instrument

**Ensure**: to make certain, to guarantee

**Enter**: to make a record of; record or register

**Evaluate**: to determine the significance or worth of, usually by careful appraisal and study

**Examine**: to look at or consider a thing carefully and in detail in order to discover something about it

**Identify**: to determine critical or necessary conditions or other factors; to determine the specific model of an item; to ascertain the origin, nature or definitive characteristics of; to recognize or establish as being a particular person or thing

**Inspect**: to examine officially; to look carefully at or over; view closely and critically

**Issue**: to serve legally binding federal documentation, notices or declarations to an individual, business or other distinctive entity

## Appendix A

**Locate:** to determine or set the position of; to find

**Make:** to create or cause to happen

**Modify** (Amend): to make minor changes in/to

**Observe** (Witness): to watch carefully

**Obtain:** to gain or attain

**Open:** to set in action, begin, start or commence

**Prepare:** plan, gather and assemble information to produce a document (i.e. COI); to put together, to combine elements and produce a product, to make ready

**Provide:** to supply or make available

**Review:** to go over for the purpose of determining correctness or currency; to examine a document or process for accuracy in content and/or format and report errors or updates to the author or controlling authority

**Schedule:** to appoint, assign, or designate for a fixed time

**Update:** to bring up to date or make current

**Validate:** to substantiate accuracy or truth of by comparison or investigation

**Verify:** to confirm or establish the accuracy or truth of something

**Witness** (Observe): to watch carefully









**Pre-Exam (PE)**

**Foreign Tank Vessel**

**Task:** FTVE-PE01 Schedule examination in Maritime Information for Safety and Law Enforcement (MISLE)

**Condition:** *During preparation for examination*

**Standard:** *In accordance with current policies, procedures and processes*

- References:**
1. Title 46, United States Code § 3711 Evidence of Compliance by Foreign Vessels
  2. Title 46, Code of Federal Regulations Part 2 Vessel Inspections
  3. COMDTINST M16000.6 Marine Safety Manual Volume I Administration & Management
  4. Marine Safety: Port State Control, COMDTINST 16000.73
  5. Port State Control Examiner TTP, CGTTP 3-72.12

Steps		References	Initials
PE01.1	Review special notes pertaining to alternative design arrangements	MSM I/12.G.5	
PE01.2	Verify applicable examination regulations	CGTTP 3-72.12	
PE01.3	Determine if cargo operations are permitted prior to COC exam	MS-73/D.6.C.1.e(2)	
PE01.4	Verify status of user fees	46 CFR 2.10-125	
PE01.5	Prepare Certificate of Compliance	46 USC 3711 MS-73/D.6.C.1.e(2)	
PE01.6	Request marine chemist certification of pump room.	MS-73/D.6.C.1	

**Verifying Officer Guidance:**

<b>Inspector's Name:</b> (Last, First, Initial)	<b>EMPLID:</b>
<b>Verifying Officer's Signature:</b>	<b>Date:</b>

**Pre-Exam (PE)**

**Foreign Tank Vessel**

**Task:** FTVE-PE02 Conduct meeting with vessel's representative to discuss scope of the examination

**Condition:** *During preparation for examination*

**Standard:** *In compliance with applicable policies, laws, regulations and standards*

**References:** 1. Marine Safety: Port State Control, COMDTINST 16000.73

Steps		References	Initials
PE02.1	Coordinate testing procedures	MS-73/D.6.C.4 MS-73/D.6.C.6.f(1)(e)	

**Verifying Officer Guidance:**



<b>Inspector's Name:</b> (Last, First, Initial)	<b>EMPLID:</b>
<b>Verifying Officer's Signature:</b>	<b>Date:</b>



**Certificates and Documents (CD)**

**Foreign Tank Vessel**

**Task:** FTVE-CD01 Examine International Oil Prevention Certificate Form B (IOPP)

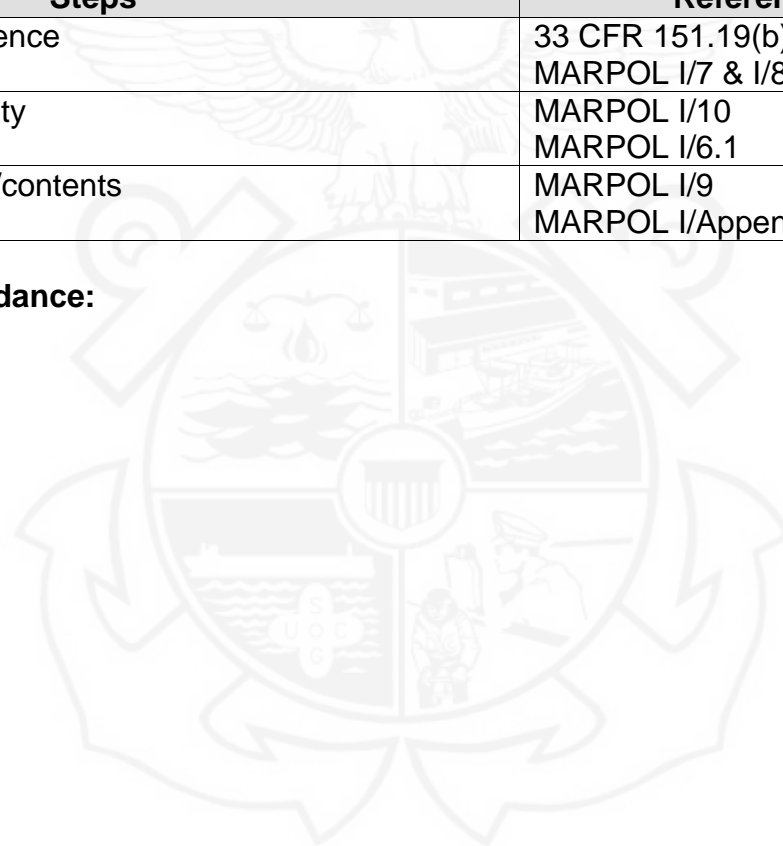
**Condition:** *While validating certificates and documents*

**Standard:** *In compliance with applicable policies, laws, regulations and standards*

- References:**
1. Title 33, Code of Federal Regulations Part 151 Vessels Carrying Oil, NLS, Garbage, Municipal or Commercial Waste & Ballast Water
  2. International Convention for the Prevention of Pollution from Ships (MARPOL) 1973, as amended

Steps		References	Initials
CD01.1	Verify presence	33 CFR 151.19(b) MARPOL I/7 & I/8	
CD01.2	Verify validity	MARPOL I/10 MARPOL I/6.1	
CD01.3	Verify form/contents	MARPOL I/9 MARPOL I/Appendix II	

**Verifying Officer Guidance:**



<b>Inspector's Name:</b> (Last, First, Initial)	<b>EMPLID:</b>
<b>Verifying Officer's Signature:</b>	<b>Date:</b>

## Certificates and Documents (CD)

## Foreign Tank Vessel

**Task:** FTVE-CD02 Examine Tank Vessel Response Plan (TVRP)

**Condition:** While validating logs and manuals

**Standard:** In compliance with applicable policies, laws, regulations and standards

**References:** 1. Title 33, Code of Federal Regulations Part 155 Oil or Hazardous Material Pollution Prevention Regulations for Vessels

Steps		References	Initials
CD02.1	Verify presence	33 CFR 155.1015 33 CFR 155.1025	
CD02.2	Verify validity	33 CFR 155.1065(c)	
CD02.3	Verify contents	33 CFR 155.1030 & 1035 33 CFR 155.1045	

**Verifying Officer Guidance:** The TVRP should also be verified in MISLE prior to the vessel examination.

**Inspector's Name:** (Last, First, Initial)

**EMPLID:**

**Verifying Officer's Signature:**

**Date:**

## Certificates and Documents (CD)

## Foreign Tank Vessel

**Task:** FTVE-CD03 Examine International Pollution Prevention Certificate for the Carriage of Noxious Liquid Substances (IPPC-NLS)

**Condition:** While validating certificates and documents

**Standard:** In compliance with applicable policies, laws, regulations and standards

**References:**

1. Title 46, Code of Federal Regulations Part 153 Ships Carrying Bulk Liquid, Liquefied Gas or Compressed Gas Hazardous Materials
2. International Convention for the Prevention of Pollution from Ships (MARPOL) 1973, as amended

Steps		References	Initials
CD03.1	Verify presence	46 CFR 153.9(a) MARPOL II/9.1	
CD03.2	Verify validity	MARPOL II/10	
CD03.3	Verify contents	MARPOL II/9.4 MARPOL II/Appendix III	

**Verifying Officer Guidance:** Some oil tankers may carry IBC Chapter 18 cargoes for which the IBC Code does not apply. This certificate, when onboard oil tankers, only attests to the addition of a P&A Manual as some IBC Code Chapter 18 cargoes are Category Z.

**Inspector's Name:** (Last, First, Initial)

**EMPLID:**

**Verifying Officer's Signature:**

**Date:**

**Certificates and Documents (CD)**

**Foreign Tank Vessel**

**Task:** FTVE-CD04 Examine crew Certificates of Competency & Proficiency for service on oil tankers

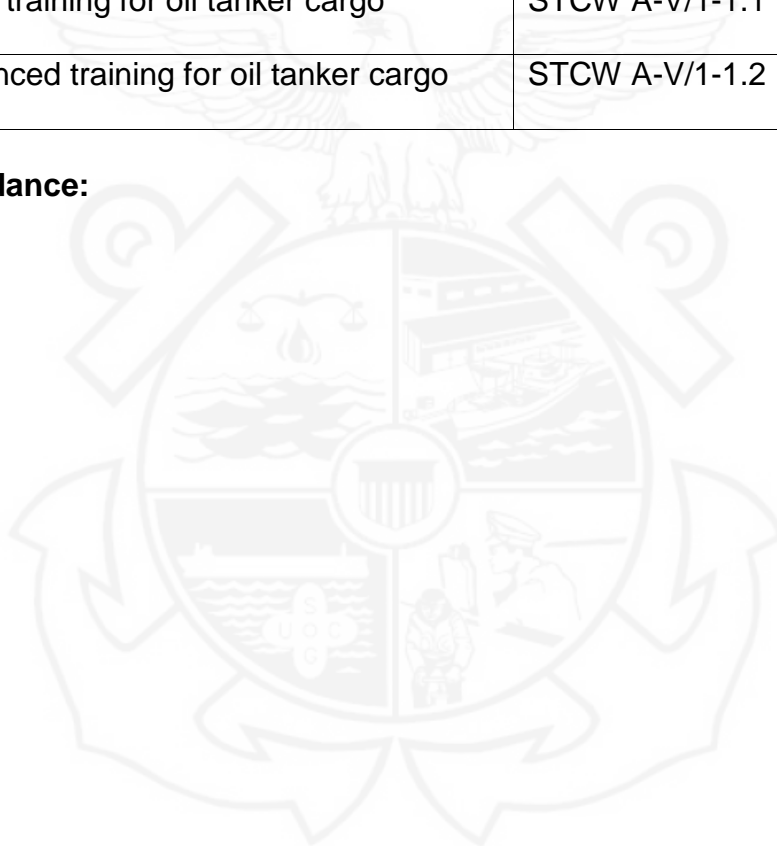
**Condition:** While validating certificates and documents

**Standard:** In compliance with applicable policies, laws, regulations and standards

**References:** 1. International Convention on Standards of Training, Certification & Watchkeeping (STCW) 1978, as amended

Steps		References	Initials
CD04.1	Verify basic training for oil tanker cargo operations	STCW A-V/1-1.1	
CD04.2	Verify advanced training for oil tanker cargo operations	STCW A-V/1-1.2	

**Verifying Officer Guidance:**



<b>Inspector's Name:</b> (Last, First, Initial)	<b>EMPLID:</b>
<b>Verifying Officer's Signature:</b>	<b>Date:</b>

**Certificates and Documents (CD)**

**Foreign Tank Vessel**

**Task:** FTVE-CD05 Verify participation in Enhanced Survey program

**Condition:** While validating certificates and documents

**Standard:** In compliance with applicable policies, laws, regulations and standards

- References:**
1. International Convention for the Safety of Life at Sea (SOLAS) 1974, as amended
  2. International Code on the Enhanced Programme of Inspections During Surveys of Bulk Carriers and Oil Tankers (ESP Code), 2011

Steps		References	Initials
CD05.1	Verify written language(s)	SOLAS 20 XI-1/2 ESP Code 6.1.1	
CD05.2	Verify presence of supporting documents	ESP Code 6.1.1 & .2	
CD05.3	Verify survey schedule	ESP Code 2, 3 & 4	

**Verifying Officer Guidance:**



<b>Inspector's Name:</b> (Last, First, Initial)	<b>EMPLID:</b>
<b>Verifying Officer's Signature:</b>	<b>Date:</b>

**Logs and Manuals Examination (LM)**

**Foreign Tank Vessel**

**Task:** FTVE-LM01 Examine Oil Record Book (Part II)

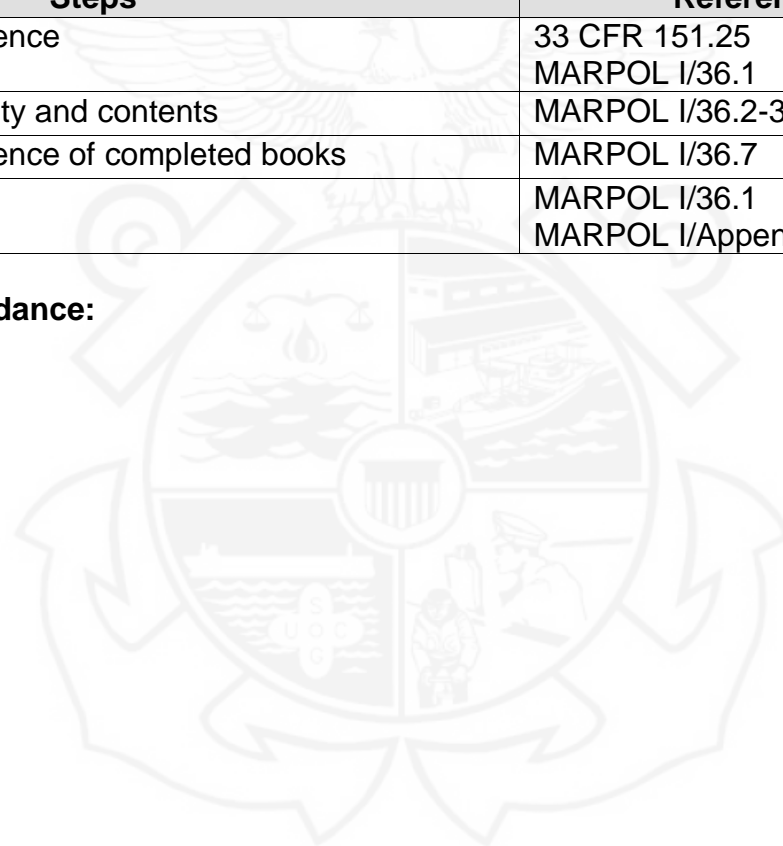
**Condition:** *While validating logs and manuals*

**Standard:** *In compliance with applicable policies, laws, regulations and standards*

- References:**
1. Title 33, Code of Federal Regulations Part 151 Vessels Carrying Oil, NLS, Garbage, Municipal or Commercial Waste & Ballast Water
  2. International Convention for the Prevention of Pollution from Ships (MARPOL) 1973, as amended

Steps		References	Initials
LM01.1	Verify presence	33 CFR 151.25 MARPOL I/36.1	
LM01.2	Verify validity and contents	MARPOL I/36.2-36.6	
LM01.3	Verify presence of completed books	MARPOL I/36.7	
LM01.4	Verify form	MARPOL I/36.1 MARPOL I/Appendix III	

**Verifying Officer Guidance:**



<b>Inspector's Name:</b> (Last, First, Initial)	<b>EMPLID:</b>
<b>Verifying Officer's Signature:</b>	<b>Date:</b>

**Task:** FTVE-LM02 Examine cargo and ballast system instructional manual

**Condition:** While validating logs and manuals

**Standard:** In compliance with applicable policies, laws, regulations and standards

**References:** 1. Title 33, Code of Federal Regulations Part 157 Rules for the Protection of the Marine Environment Relating to Tank Vessels Carrying Oil in Bulk

Steps		References	Initials
LM02.1	Verify presence of instruction manual	33 CFR 157.23(a)	
LM02.2	Verify format and content of instruction manual	33 CFR 157.23(b)	

**Verifying Officer Guidance:**



<b>Inspector's Name:</b> (Last, First, Initial)	<b>EMPLID:</b>
<b>Verifying Officer's Signature:</b>	<b>Date:</b>

**Logs and Manuals Examination (LM)**

**Foreign Tank Vessel**

**Task:** FTVE-LM03 Examine inert gas manual(s)

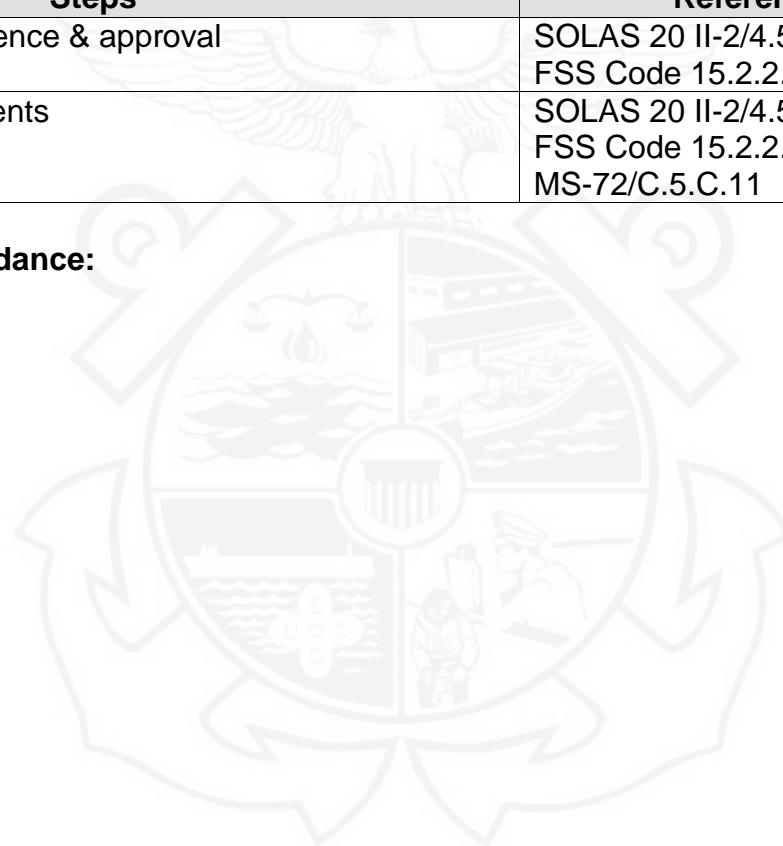
**Condition:** *While validating logs and manuals*

**Standard:** *In compliance with applicable policies, laws, regulations and standards*

- References:**
1. International Convention for the Safety of Life at Sea (SOLAS) 1974, as amended
  2. International Code for Fire Safety Systems (FSS Code)
  3. Marine Safety: Inspection of Engineering Systems, Equipment, and Materials, COMDTINST 16000.72

Steps		References	Initials
LM03.1	Verify presence & approval	SOLAS 20 II-2/4.5.5.1.1 FSS Code 15.2.2.5	
LM03.2	Verify contents	SOLAS 20 II-2/4.5.5.1.1 FSS Code 15.2.2.5 MS-72/C.5.C.11	

**Verifying Officer Guidance:**



<b>Inspector's Name:</b> (Last, First, Initial)	<b>EMPLID:</b>
<b>Verifying Officer's Signature:</b>	<b>Date:</b>



## Logs and Manuals Examination (LM)

## Foreign Tank Vessel

**Task:** FTVE-LM04 Examine Procedures & Arrangements (P&A) Manual

**Condition:** While validating logs and manuals

**Standard:** In compliance with applicable policies, laws, regulations and standards

**References:**

1. Title 46, Code of Federal Regulations Part 153 Ships Carrying Bulk Liquid, Liquefied Gas or Compressed Gas Hazardous Materials
2. International Convention for the Prevention of Pollution from Ships (MARPOL) 1973, as amended
3. Marine Safety: International Conventions, Treaties, Standards, and Regulations, COMDTINST 16000.74

Steps		References	Initials
LM04.1	Verify presence	46 CFR 153.490(a)(2) MARPOL II/14.1 MS-74/E.1.E.3.b	
LM04.2	Verify validity	MARPOL II/14.1 MS-74/E.1.E.2.e.2	
LM04.3	Verify contents	46 CFR 153.490(b) MARPOL II/14.2 MARPOL II/Appendix IV	

**Verifying Officer Guidance:** Verify that the plans have been updated to list X, Y, Z & OS pollution categories as opposed to A, B, C & D. Some IBC Code Chapter 18 cargoes are category Z and, therefore, require this manual.

**Inspector's Name:** (Last, First, Initial)

**EMPLID:**

**Verifying Officer's Signature:**

**Date:**

**Task:** FTVE-LM05 Examine Shipboard Oil Pollution Emergency Plan (SOPEP)

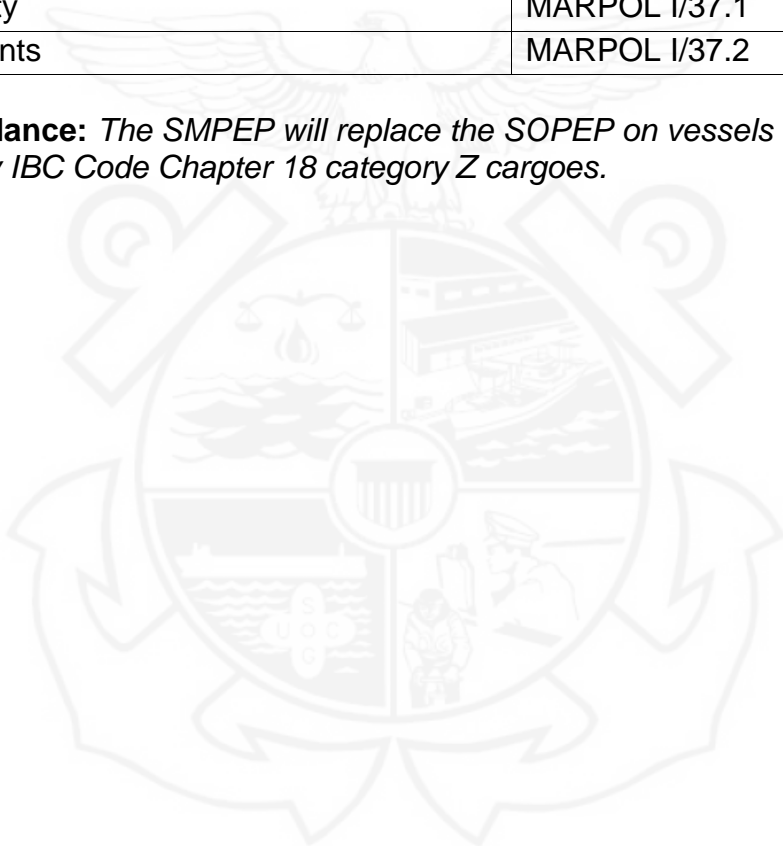
**Condition:** While validating logs and manuals

**Standard:** In compliance with applicable policies, laws, regulations and standards

**References:** 1. International Convention for the Prevention of Pollution from Ships (MARPOL) 1973, as amended

Steps		References	Initials
LM05.1	Verify presence	MARPOL I/37.1 & .3	
LM05.2	Verify validity	MARPOL I/37.1	
LM05.3	Verify contents	MARPOL I/37.2	

**Verifying Officer Guidance:** *The SMPEP will replace the SOPEP on vessels with an NLS Certificate and authorized to carry IBC Code Chapter 18 category Z cargoes.*



<b>Inspector's Name:</b> (Last, First, Initial)	<b>EMPLID:</b>
<b>Verifying Officer's Signature:</b>	<b>Date:</b>

## Logs and Manuals Examination (LM)

## Foreign Tank Vessel

**Task:** FTVE-LM06 Examine Cargo Record Book

**Condition:** While validating logs and manuals

**Standard:** In compliance with applicable policies, laws, regulations and standards

- References:**
1. Title 46, Code of Federal Regulations Part 153 Ships Carrying Bulk Liquid, Liquefied Gas or Compressed Gas Hazardous Materials
  2. International Convention for the Prevention of Pollution from Ships (MARPOL) 1973, as amended

Steps		References	Initials
LM06.1	Verify presence	46 CFR 153.490(a)(1) MARPOL II/15.1 & .5	
LM06.2	Verify validity and contents	46 CFR 153.909 MARPOL II/15.2, .3 & .4	
LM06.3	Verify presence of completed books	46 CFR 153.909(e) MARPOL II/15.5	
LM06.4	Verify form	46 CFR 153.490(a)(1) MARPOL II/Appendix II	

**Verifying Officer Guidance:** *The Cargo Record Book is required on vessels with an NLS Certificate and authorized to carry IBC Code Chapter 18 category Z cargoes.*

**Inspector's Name:** (Last, First, Initial)

**EMPLID:**

**Verifying Officer's Signature:**

**Date:**

**Task:** FTVE-BN01 Examine additional equipment for tank vessels

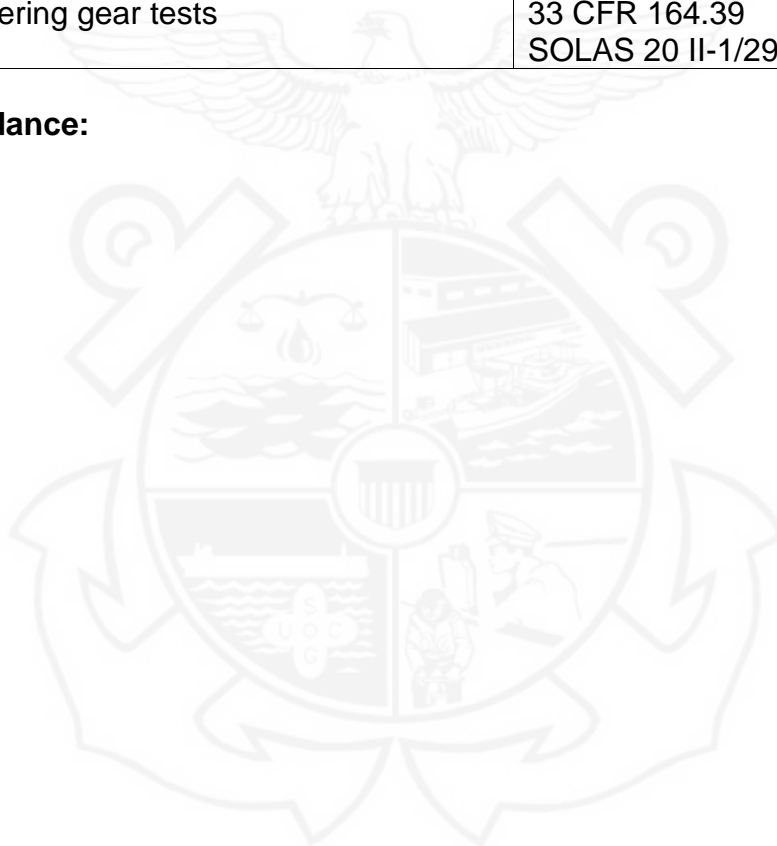
**Condition:** *During bridge/navigation examination*

**Standard:** *In compliance with applicable policies, laws, regulations and standards*

**References:** 1. Title 33, Code of Federal Regulations Part 164 Navigation Safety Regulations

Steps		References	Initials
BN01.1	Verify additional radar capabilities	33 CFR 164.37(b)	
BN01.2	Verify Automatic Radar Plotting Aid (ARPA)	33 CFR 164.38(b)(2)	
BN01.3	Witness steering gear tests	33 CFR 164.39 SOLAS 20 II-1/29 & 30	

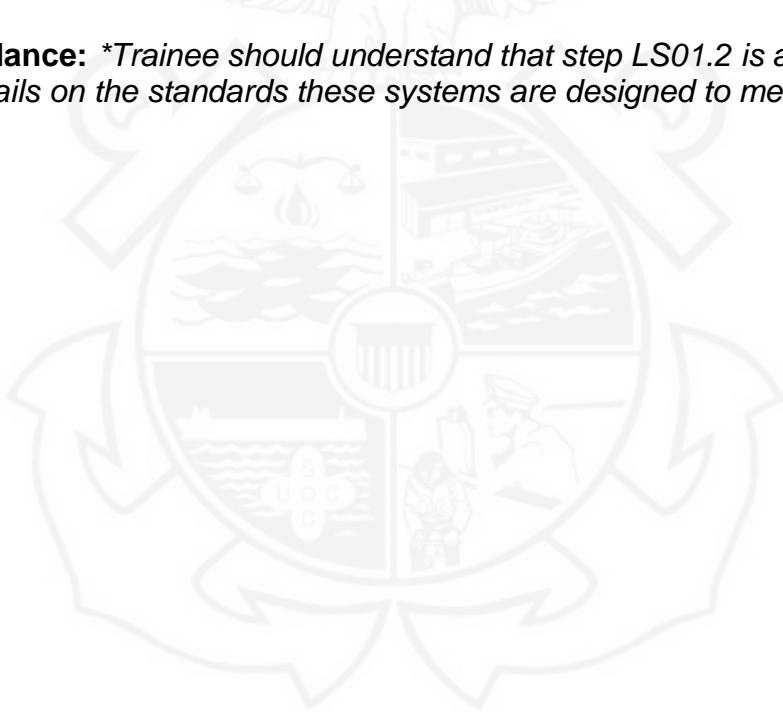
**Verifying Officer Guidance:**



<b>Inspector's Name:</b> (Last, First, Initial)	<b>EMPLID:</b>
<b>Verifying Officer's Signature:</b>	<b>Date:</b>

**Lifesaving Equipment Examination (LS)****Foreign Tank Vessel****Task:** FTVE-LS01 Examine lifeboats**Condition:** *During lifesaving equipment examination***Standard:** *In compliance with applicable policies, laws, regulations and standards***References:** 1. International Convention for the Safety of Life at Sea (SOLAS) 1974, as amended  
2. Lifesaving Appliances including LSA Code

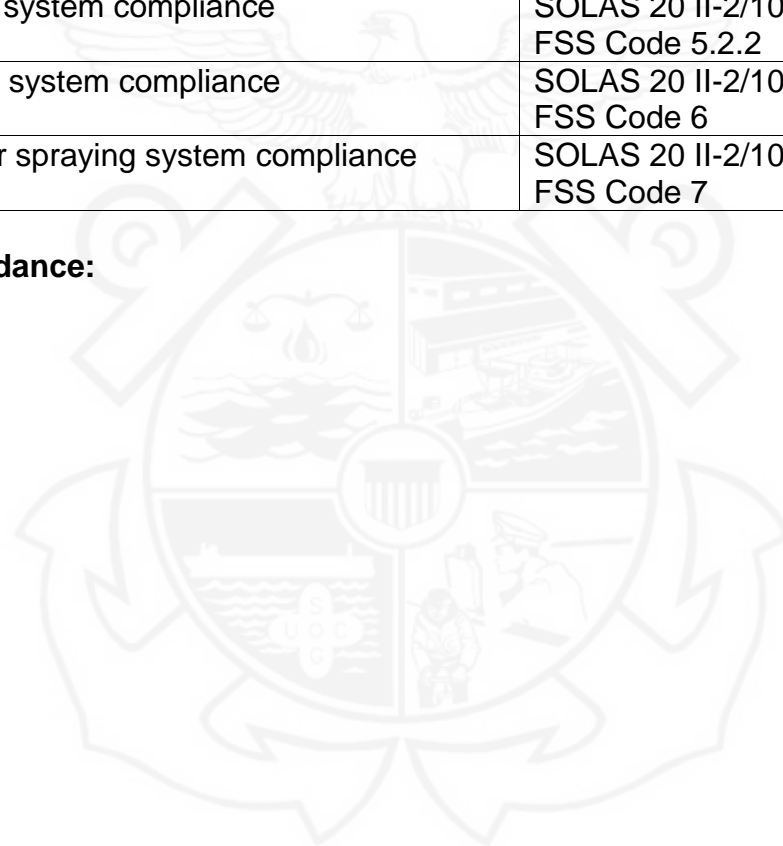
Steps		References	Initials
LS01.1	Verify equipped with a fire protection system	SOLAS 20 III/31.1.7 LSA Code 4.9	
LS01.2	Examine material condition of fire protection system piping*	LSA Code Part 1/6.16.8	
LS01.3	Verify self-contained air support system	LSA Code 4.8 & .9	

**Verifying Officer Guidance:** *\*Trainee should understand that step LS01.2 is a visual exam and the reference provides details on the standards these systems are designed to meet.*

<b>Inspector's Name:</b> (Last, First, Initial)	<b>EMPLID:</b>
<b>Verifying Officer's Signature:</b>	<b>Date:</b>

**Firefighting Systems Examination (FF)****Foreign Tank Vessel****Task:** FTVE-FF01 Examine fixed fire-extinguishing system(s) for cargo pump rooms**Condition:** *During firefighting equipment examination***Standard:** *In compliance with applicable policies, laws, regulations and standards***References:** 1. International Convention for the Safety of Life at Sea (SOLAS) 1974, as amended  
2. International Code for Fire Safety Systems (FSS Code)

Steps		References	Initials
FF01.1	Verify type of agent and coverage	SOLAS 20 II-2/10.9.1	
FF01.2	Verify CO2 system compliance	SOLAS 20 II-2/10.9.1.1 FSS Code 5.2.2	
FF01.3	Verify foam system compliance	SOLAS 20 II-2/10.9.1.2 FSS Code 6	
FF01.4	Verify water spraying system compliance	SOLAS 20 II-2/10.9.1.3 FSS Code 7	

**Verifying Officer Guidance:****Inspector's Name:** (Last, First, Initial)**EMPLID:****Verifying Officer's Signature:****Date:**

## Firefighting Systems Examination (FF)

## Foreign Tank Vessel

**Task:** FTVE-FF02 Examine fixed deck foam system

**Condition:** During firefighting equipment inspection

**Standard:** In compliance with applicable policies, laws, regulations and standards

**References:**

1. International Convention for the Safety of Life at Sea (SOLAS) 1974, as amended
2. International Code for Fire Safety Systems (FSS Code)
3. Marine Safety: Port State Control, COMDTINST 16000.73
4. IMO MSC.1/Circ. 1312 Revised Guidelines for the Performance & Testing Criteria, and Surveys of Foam Concentrates for Fixed Fire-Extinguishing Systems

Steps		References	Initials
FF02.1	Verify presence	SOLAS 20 II-2/10.8 FSS Code 14.2.1.1	
FF02.2	Verify operation of fire main isolation valves	FSS Code 14.2.3.4	
FF02.3	Witness operational test of applicators and monitors	FSS Code 14.2.2.2 FSS Code 14.2.3.2.2	
FF02.4	Verify location of main operation station	FSS Code 14.2.3.1.1	
FF02.5	Verify foam type (polar/non-polar) is compatible with cargoes	MS-73/D.6.B.3	
FF02.6	Verify foam analysis report	FSS Code 14.2.2.1.4 IMO MSC.1/Circ. 1312	

**Verifying Officer Guidance:** *Trainee should be aware that no foam is to be discharged during system tests. NVIC 11-82 Deck Foam Systems for Polar Solvents provides amplifying information regarding the technical aspects of polar foam systems.*

**Inspector's Name:** (Last, First, Initial)

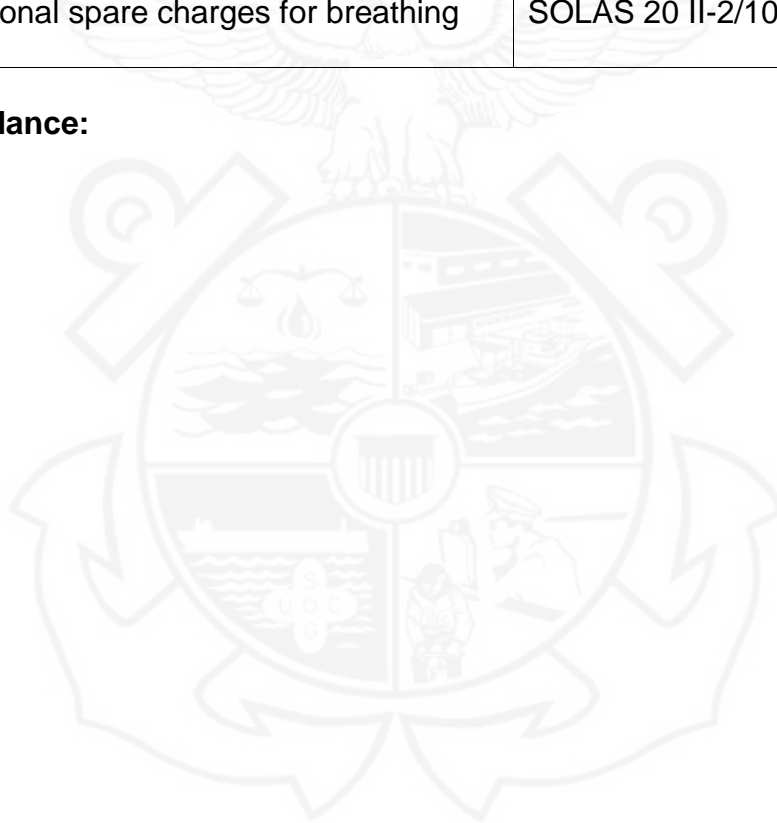
**EMPLID:**

**Verifying Officer's Signature:**

**Date:**

**Firefighting Systems Examination (FF)****Foreign Tank Vessel****Task:** FTVE-FF03 Examine additional personal fire fighting equipment**Condition:** *During firefighting equipment examination***Standard:** *In compliance with applicable policies, laws, regulations and standards***References:** 1. International Convention for the Safety of Life at Sea (SOLAS) 1974, as amended  
2. International Code for Fire Safety Systems (FSS Code)

Steps		References	Initials
FF03.1	Verify additional fire fighting outfits	SOLAS 20 II-2/10.10.2.3 FSS Code 3.2.1	
FF03.2	Verify additional spare charges for breathing apparatus	SOLAS 20 II-2/10.10.2.5	

**Verifying Officer Guidance:****Inspector's Name:** (Last, First, Initial)**EMPLID:****Verifying Officer's Signature:****Date:**



**Electrical Systems Examination (ES)**

**Foreign Tank Vessel**

**Task:** FTVE-ES01 Examine components installed in designated hazardous locations

**Condition:** *During electrical systems examination*

**Standard:** *In compliance with applicable policies, laws, regulations and standards*

- References:**
1. International Convention for the Safety of Life at Sea (SOLAS) 1974, as amended
  2. IEC 60092-502:1999: Electrical Installations in Ships - Tankers

Steps		References	Initials
ES01.1	Identify hazardous location(s)	SOLAS 20 II-1/45.11 IEC 60092-502	
ES01.2	Verify design and conditions of fixtures are appropriate	SOLAS 20 II-1/45.5.4 SOLAS 20 II-1/45.11	

**Verifying Officer Guidance:**



<b>Inspector's Name:</b> (Last, First, Initial)	<b>EMPLID:</b>
<b>Verifying Officer's Signature:</b>	<b>Date:</b>

**Pollution Prevention Examination (PP)****Foreign Tank Vessel****Task:** FTVE-PP01 Examine containment on deck**Condition:** *During pollution prevention examination***Standard:** *In compliance with applicable policies, laws, regulations and standards*

- References:**
1. Title 33, Code of Federal Regulations Part 155 Oil or Hazardous Material Pollution Prevention Regulations for Vessels
  2. Title 33, Code of Federal Regulations Part 156 Oil & Hazardous Material Transfer Operations

Steps		References	Initials
PP01.1	Verify adequate containment	33 CFR 155.310(a) 33 CFR 156.120(n)	
PP01.2	Verify adequate peripheral cargo deck coamings	33 CFR 155.310(c)(4) 33 CFR 156.120(n)	
PP01.3	Verify means of drainage	33 CFR 155.310(a)(2) 33 CFR 156.120(o)	
PP01.4	Verify mechanical means of closing drain(s) or scupper(s)	33 CFR 155.310(a)(3) 33 CFR 156.120(o)	

**Verifying Officer Guidance:**

Inspector's Name: (Last, First, Initial)

EMPLID:

Verifying Officer's Signature:

Date:

## Topside Equipment Examination (TE)

## Foreign Tank Vessel

**Task:** FTVE-TE01 Examine access to bow and emergency towing arrangements

**Condition:** While on deck walk

**Standard:** In compliance with applicable policies, laws, regulations and standards

- References:**
1. Title 33, Code of Federal Regulations Part 155 Oil or Hazardous Material Pollution Prevention Regulations for Vessels
  2. International Convention for the Safety of Life at Sea (SOLAS) 1974, as amended
  3. International Convention on Load Lines (ICLL) 1966, as amended
  4. IMO Resolution MSC.62(67) Rev 1 Guidelines for Safe Access to Tanker Bows
  5. NVIC 08-89 Recommendations Concerning Emergency Towing of Tankers

Steps		References	Initials
TE01.1	Verify safe access	SOLAS 20 II-1/3-3 ICLL 25(4) & 26(2) IMO Res MSC.62(67) Rev 1	
TE01.2	Verify emergency towing arrangements	SOLAS 20 II-1/3-4.1 33 CFR 155.235 & NVIC 08-89 IMO Res MSC.62(67) Rev 1	
TE01.3	Verify towing procedures	SOLAS 20 II-1/3 4.2	
TE01.4	Verify design is approved by the Administration	SOLAS 20 II-1/3-4.1.2.2 & 3-4.1.3 33 CFR 155.235	

**Verifying Officer Guidance:** *Per IMO Resolution MSC.35(63), all emergency towing arrangements should be clearly marked to facilitate safe and effective use even in darkness and poor visibility. Many of these arrangements are equipped with lighted buoys that can be checked to verify they are operational. MSC.1/Circ.1504 provides unified interpretation of the guidelines for Safe Access to Tanker Bows to approve arrangements using Fibre Reinforced Plastic (FRP) gratings in lieu of steel gratings for safe access to tanker bows.*

**Inspector's Name:** (Last, First, Initial)

**EMPLID:**

**Verifying Officer's Signature:**

**Date:**

## Cargo Systems Examination (CS)

## Foreign Tank Vessel

**Task:** FTVE-CS01 Examine cargo tank venting arrangements

**Condition:** During cargo environmental control examination

**Standard:** In compliance with applicable policies, laws, regulations and standards

**References:**

1. International Convention for the Safety of Life at Sea (SOLAS) 1974, as amended
2. International Convention on Load Lines (ICLL) 1966, as amended
3. Marine Safety: Port State Control, COMDTINST 16000.73
4. Marine Safety: Carriage of Hazardous Materials, COMDTINST M16000.75

Steps		References	Initials
CS01.1	Verify material condition	SOLAS 20 II-2/4.5.3	
CS01.2	Verify condition of flame screens and arresters	SOLAS 20 4 II-2/4.5.3.3 MS-73/D.6.B.4 MS-75/F.3.F.17	
CS01.3	Witness operation of permanently attached closures	ICLL I/20	
CS01.4	Verify height of tank venting system	SOLAS 20 II-2/4.5.3.4 SOLAS 20 II-2/11.6.2.1	
CS01.5	Verify horizontal distance from air intakes and openings	SOLAS 20 II-2/4.5.3.4.1 SOLAS 20 II-2/11.6.2.2	
CS01.6	Witness operation of visual indicators	SOLAS 20 II-2/4.5.3.2.2 SOLAS 20 II-2/11.6.3.3	
CS01.7	Verify presence of blank flanges	SOLAS 20 II-2/4.5.3.5	
CS01.8	Verify operation of pressure/vacuum valves	SOLAS 20 II-2/11.6.1 SOLAS 20 II-2/11.6.3.2	
CS01.9	Verify operation of vapor line pressure sensors and alarms	SOLAS 20 II-2/11.6.3.2	

**Verifying Officer Guidance:** *Maintenance of the pressure vacuum valves is not directly addressed in the regulations. The vessel's Safety Management System should address the inspection intervals and routine maintenance which is developed from the manufacturer's recommendations. Due to the risks associated with certain cargoes, examiners should only witness operational tests of the P/V valves when determined it is safe to do so.*

**Inspector's Name:** (Last, First, Initial)

**EMPLID:**

**Verifying Officer's Signature:**

**Date:**

## Cargo Systems Examination (CS)

## Foreign Tank Vessel

**Task:** FTVE-CS02 Examine cargo pump room

**Condition:** During cargo systems examination

**Standard:** In compliance with applicable policies, laws, regulations and standards

- References:**
1. Title 46, Code of Federal Regulations Part 34 Fire Fighting Equipment
  2. International Convention for the Safety of Life at Sea (SOLAS) 1974, as amended
  3. International Convention for the Prevention of Pollution from Ships (MARPOL) 1973, as amended
  4. IMO MSC.1/Circ. 1370 Guidelines for the Design, Construction & Testing of Fixed Hydrocarbon Gas Detection Systems
  5. COMDTINST M16000.6 Marine Safety Manual Volume I Administration & Management

Steps		References	Initials
CS02.1	Review Marine Chemist Certificate prior to entry	MSM I/10 App. A	
CS02.2	Verify operation of ventilation	SOLAS 20 II-2/4.5.4.1	
CS02.3	Witness operation of lighting/ventilation interlock	SOLAS 20 II-2/4.5.10.1.2	
CS02.4	Verify operation of hydrocarbon gas monitoring system	SOLAS 20 II-2/4.5.10.1.3 SOLAS 20 II-2/1.6.7 IMO MSC.1/Circ.1370	
CS02.5	Witness operation of bilge monitoring devices	SOLAS 20 II-2/4.5.10.1.4	
CS02.6	Verify electrical equipment	SOLAS 20 II-1/45.11	
CS02.7	Verify fixed fire extinguishing system	SOLAS 20 II-2/10.9.1 & .2	
CS02.8	Examine spool piece	MARPOL I/1.18 UI 3.1	
CS02.9	Verify bulkhead between pump room and engine room is gas tight	SOLAS 20 II-2/9.2.4 Table 9.7	
CS02.10	Verify presence of B-II extinguisher in lower pump room	46 CFR 34.50-10(a)	

**Verifying Officer Guidance:** Trainee should be aware that though there is no requirement for an EEBD to be located at the bottom of the pump room, if it is indicated on the vessel's Fire Control Plan, the trainee should verify its presence.

**Inspector's Name:** (Last, First, Initial)

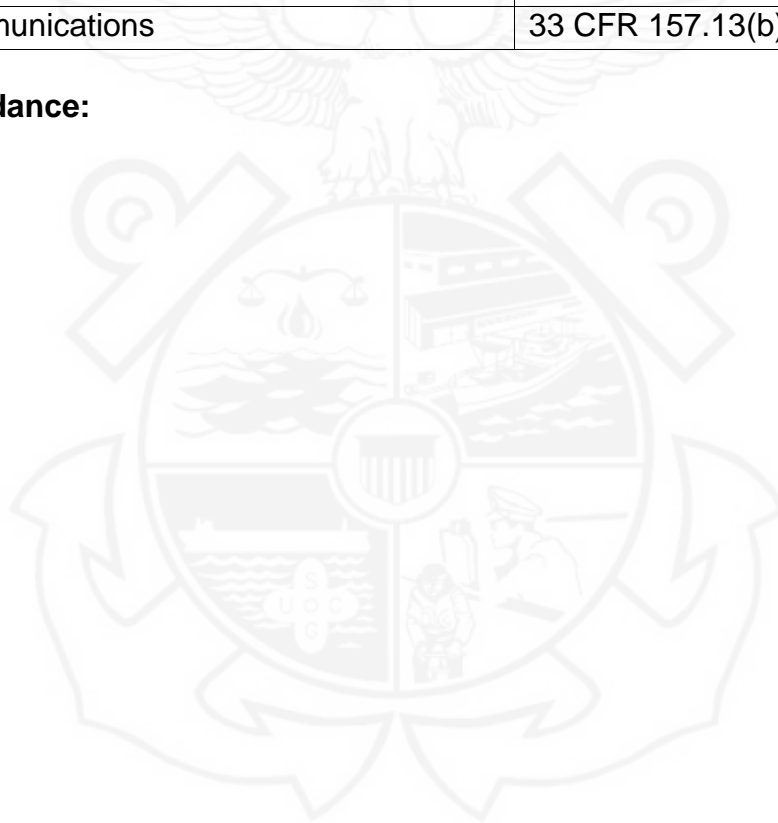
**EMPLID:**

**Verifying Officer's Signature:**

**Date:**

**Cargo Systems Examination (CS)****Foreign Tank Vessel****Task:** FTVE-CS03 Examine designated observation area**Condition:** *During cargo systems examination***Standard:** *In compliance with applicable policies, laws, regulations and standards***References:** 1. Title 33, Code of Federal Regulations Part 157 Rules for the Protection of the Marine Environment Relating to Tank Vessels Carrying Oil in Bulk

Steps		References	Initials
CS03.1	Verify location	33 CFR 157.13(a)	
CS03.2	Verify means to stop discharge of effluent	33 CFR 157.13(b)(1)	
CS03.3	Verify communications	33 CFR 157.13(b)(2)	

**Verifying Officer Guidance:****Inspector's Name:** (Last, First, Initial)**EMPLID:****Verifying Officer's Signature:****Date:**

**Cargo Systems Examination (CS)**

**Foreign Tank Vessel**

**Task:** FTVE-CS04 Examine liquid cargo transfer systems

**Condition:** *During cargo systems examination*

**Standard:** *In compliance with applicable policies, laws, regulations and standards*

- References:**
1. Title 33, Code of Federal Regulations Part 155 Oil or Hazardous Material Pollution Prevention Regulations for Vessels
  2. Title 33, Code of Federal Regulations Part 156 Oil & Hazardous Material Transfer Operations
  3. International Convention for the Prevention of Pollution from Ships (MARPOL) 1973, as amended

Steps		References	Initials
CS04.1	Examine condition of piping and hose(s)	33 CFR 155.800	
CS04.2	Verify operation of cargo pump remote shutdown devices	33 CFR 155.780 33 CFR 156.170(c)(5)	
CS04.3	Verify hoses are marked	33 CFR 155.800 33 CFR 154.500(e) & (f)	
CS04.4	Verify condition of hose and hose assembly components	33 CFR 155.800 33 CFR 154.500 (a)-(d)	
CS04.5	Verify transfer equipment tests and inspections	33 CFR 156.170(c)(1)	
CS04.6	Verify warning signals and signs	46 CFR 35.30-1	

**Verifying Officer Guidance:** *Trainee should use the vessel's transfer procedures to assist with this examination (see PSCE-MI06).*

<b>Inspector's Name:</b> (Last, First, Initial)	<b>EMPLID:</b>
<b>Verifying Officer's Signature:</b>	<b>Date:</b>

## Cargo Systems Examination (CS)

## Foreign Tank Vessel

**Task:** FTVE-CS05 Examine Vapor Control System (VCS)

**Condition:** During cargo systems examination

**Standard:** In compliance with applicable policies, laws, regulations and standards

**References:** 1. Title 46, Code of Federal Regulations Part 39 Tank Vessels - Vapor Control Systems  
2. Marine Safety: Port State Control, COMDTINST 16000.73

Steps		References	Initials
CS05.1	Examine drain lines	46 CFR 39.2001(d)	
CS05.2	Verify electrically bonded	46 CFR 39.2001(c)	
CS05.3	Verify system can be isolated from Inert Gas System	46 CFR 39.2001(e)	
CS05.4	Verify presence of isolation valve and indicator	46 CFR 39.2001(g)	
CS05.5	Verify markings on vapor piping	46 CFR 39.2001(h)	
CS05.6	Verify presence of flange stud	46 CFR 39.2001(j)	
CS05.7	Verify closed gauging system	46 CFR 39.2003(a)	
CS05.8	Verify pressure indicator for main vapor collection line	46 CFR 39.2013(a)	
CS05.9	Witness operation of pressure alarms	46 CFR 39.2013(b)	
CS05.10	Examine approval letter	46 CFR 39.1015 MS-73/D.6.B.2	

**Verifying Officer Guidance:** *The Vapor Collection System approval letter and/or manual should also indicate the vessel's transfer procedures have been reviewed to include a description of the VCS on the vessel outlined in 33 CFR 155.750(d).*

**Inspector's Name:** (Last, First, Initial)

**EMPLID:**

**Verifying Officer's Signature:**

**Date:**



**Cargo Systems Examination (CS)**

**Foreign Tank Vessel**

**Task:** FTVE-CS06 Examine tank liquid high level and overfill protection

**Condition:** *During cargo systems examination*

**Standard:** *In compliance with applicable policies, laws, regulations and standards*

- References:**
1. Title 46, Code of Federal Regulations Part 39 Tank Vessels - Vapor Control Systems
  2. International Convention for the Safety of Life at Sea (SOLAS) 1974, as amended

Steps		References	Initials
CS06.1	Verify overfill alarms	46 CFR 39.2007(a) SOLAS 20 II-2/11.6.3.1	
CS06.2	Verify high level alarm settings	46 CFR 39.2007(c)(1)	
CS06.3	Witness operational test of audible and visual alarm indicators	46 CFR 39.2007(c)(3) & (d) (3)	
CS06.4	Verify high level alarm markings	46 CFR 39.2007(c)(2)	
CS06.5	Verify tank overfill alarm markings	46 CFR 39.2007(d)(2)	

**Verifying Officer Guidance:**



<b>Inspector's Name:</b> (Last, First, Initial)	<b>EMPLID:</b>
<b>Verifying Officer's Signature:</b>	<b>Date:</b>

**Cargo Systems Examination (CS)**

**Foreign Tank Vessel**

**Task:** FTVE-CS07 Examine fixed/portable vapor detection instruments

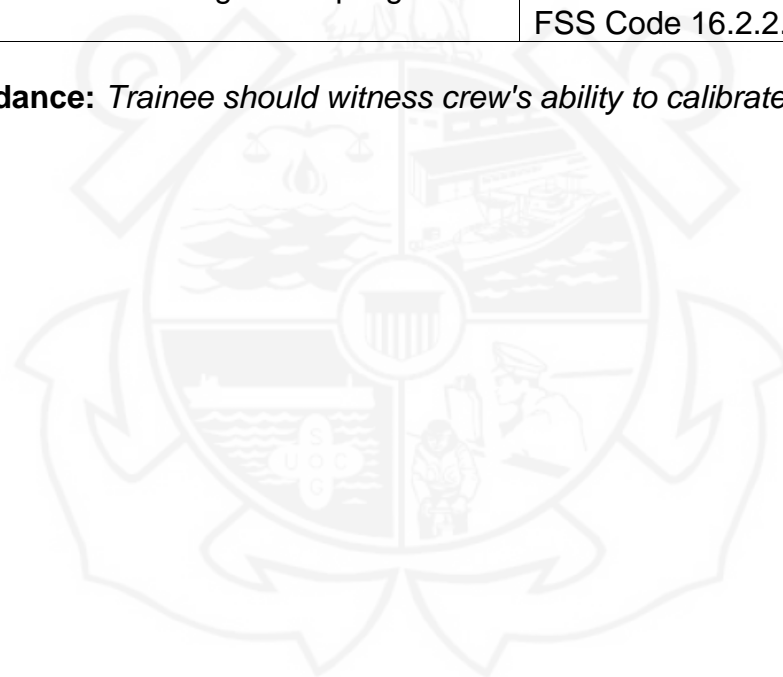
**Condition:** *During cargo systems examination*

**Standard:** *In compliance with applicable policies, laws, regulations and standards*

- References:**
1. International Convention for the Safety of Life at Sea (SOLAS) 1974, as amended
  2. International Code for Fire Safety Systems (FSS Code), 2015

Steps		References	Initials
CS07.1	Witness operation of flammable vapor device	SOLAS 20 II-2/4.5.7.1 & .2.1	
CS07.2	Witness operation of oxygen content device	SOLAS 20 II-2/4.5.7.1 & .2.1 FSS Code 16.2.2.3.2	
CS07.3	Verify means to calibrate fixed and portable instruments	SOLAS 20 II-2/4.5.7.1 FSS Code 16.2.2.3.4	
CS07.4	Witness operation of fixed gas sampling line system	SOLAS 20 II-2/4.5.7.2.2 & .3 FSS Code 16.2.2.3.4	

**Verifying Officer Guidance:** *Trainee should witness crew's ability to calibrate portable O2 sensor.*



<b>Inspector's Name:</b> (Last, First, Initial)	<b>EMPLID:</b>
<b>Verifying Officer's Signature:</b>	<b>Date:</b>

## Cargo Systems Examination (CS)

## Foreign Tank Vessel

**Task:** FTVE-CS08 Examine Inert Gas System (IGS)

**Condition:** During cargo systems examination

**Standard:** In compliance with applicable policies, laws, regulations and standards

**References:**

1. International Convention for the Safety of Life at Sea (SOLAS) 1974, as amended
2. International Code for Fire Safety Systems (FSS Code)
3. Title 46, Code of Federal Regulations Part 32 Tank Vessels - Special Equipment, Machinery & Hull Requirements
4. Marine Safety: Inspection of Engineering Systems, Equipment, and Materials, COMDTINST 16000.72

Steps		References	Initials
CS08.1	Verify presence	SOLAS 20 II-2/4.5.5.1.1 & .2 SOLAS 20 II-2/4.5.5.2	
CS08.2	Determine type installed	SOLAS 20 II-2/4.5.5.3.2 FSS Code 15.2.2.1.4 46 CFR 32.53-10	
CS08.3	Verify volume of inert gas being delivered	SOLAS 20 II-2/4.5.5.3.2 FSS Code 15.2.2.1.2.4	
CS08.4	Verify oxygen content of inert gas in IGS supply main	SOLAS 20 II-2/4.5.5.3.2 FSS Code 15.2.2.1.2.5 FSS Code 15.2.2.4.2.2	
CS08.5	Verify oxygen content of inert gas forward of non-return devices	FSS Code 15.2.2.1.2.1	
CS08.6	Verify arrangements within gas-safe zone (i.e. scrubbers, blowers)	FSS Code 15.2.3.1.3 & .4	
CS08.7	Verify arrangement of pressure/vacuum breaking device	SOLAS 20 II-2/11.6.3.4	
CS08.8	Verify arrangement of water seal on deck	FSS Code 15.2.2.3.1.2, .7 & .9	
CS08.9	Verify arrangement of non-return valve on deck	FSS Code 15.2.2.3.1.3	
CS08.10	Verify ability to connect inert gas main to an external supply of inert gas	FSS Code 15.2.2.3.2.6	
CS08.11	Verify double block and bleed arrangement	MS-72/C.5.C.6.b(4)	

**Verifying Officer Guidance:** 46 CFR 32.53-10(b)(1) requires that deck seals which are not of a wet or semi-wet type, must be approved by the Marine Safety Center. SOLAS II-2 directs these systems to be designed and installed in accordance with the International Code for Fire Safety Systems, wherein 15.2.2.4 currently allows for a wet, semi-wet, or dry deck seals or a double-block and bleed arrangement. Vessels that can show these seals to be certified by the RO to meet one of the following standards do not require MSC approval for their deck seal: IACS UR F20.4.12 Rev. 6 2012, IACS UR F20.3.3 Rev. 6 2012, MSC.367(93) or IACS UR F20.4.6 Rev. 7 2015. 2022-01 CID Notes.

**Inspector's Name:** (Last, First, Initial)

**EMPLID:**

**Verifying Officer's Signature:**

**Date:**

## Cargo Systems Examination (CS)

## Foreign Tank Vessel

**Task:** FTVE-CS09 Witness tests of Inert Gas System (IGS) audible and visual alarms and shutdowns

**Condition:** During cargo systems examination

**Standard:** In compliance with applicable policies, laws, regulations and standards

**References:**

1. Title 46, Code of Federal Regulations Part 32 Tank Vessels - Special Equipment, Machinery & Hull Requirements
2. International Code for Fire Safety Systems (FSS Code)
3. Marine Safety: Inspection of Engineering Systems, Equipment, and Materials, COMDTINST 16000.72

Steps		References	Initials
CS09.1	Witness test for low water pressure or low water flow to the cooling & scrubbing arrangement	FSS Code 15.2.3.2.2.3 FSS Code 15.2.2.2.2	
CS09.2	Witness test of high water level in flue gas scrubber alarm	FSS Code 15.2.3.2.2.4 FSS Code 15.2.2.2.2	
CS09.3	Witness high temperature alarm shutdown*	FSS Code 15.2.3.2.2.5 FSS Code 15.2.2.2.2 & .2.3.2.1 MS-72/C.5.F.3(4)	
CS09.4	Witness IGS blower failure alarm and automatic shutdown of main or regulating valve*	FSS Code 15.2.3.2.2.6 FSS Code 15.2.2.2.2 MS-72/C.5.F.3(6)	
CS09.5	Witness test of high oxygen content alarm in IGS main	FSS Code 15.2.2.4.5.1.1 FSS Code 15.2.2.4.5.2 MS-72/C.5.F.3(1)	
CS09.6	Witness test for failure of power to auto controlled system for gas regulating valve and indicating devices alarms	FSS Code 15.2.2.4.5.1.2 FSS Code 15.2.2.4.5.1.5 MS-72/C.5.F.3(7)	
CS09.7	Witness test for low water alarm for water seal	46 CFR 32.53-10(b)(1) FSS Code 15.2.3.2.2.7 MS-72/C.5.F.3(3)	
CS09.8	Witness test for low gas pressure in IG main forward of all non-return devices alarm	FSS Code 15.2.2.4.5.1.3 FSS Code 15.2.2.4.5.2 MS-72/C.5.F.3(2)	
CS09.9	Witness test for high gas pressure in IG main forward of all non-return devices alarm(s)	FSS Code 15.2.2.4.5.1.4 FSS Code 15.2.2.4.2 MS-72/C.5.F.3(5)	
CS09.10	Verify fuel oil supply alarm	FSS Code 15.2.3.2.2.1 FSS Code 15.2.2.2.2	
CS09.11	Verify Nitrogen Generator alarms	FSS Code 15.2.4.2.2	

**Verifying Officer Guidance:**

**Inspector's Name:** (Last, First, Initial)

**EMPLID:**

**Verifying Officer's Signature:**

**Date:**

## Cargo Systems Examination (CS)

## Foreign Tank Vessel

**Task:** FTVE-CS10 Examine oil discharge monitoring and control system (ODME)

**Condition:** During cargo systems examination

**Standard:** In compliance with applicable policies, laws, regulations and standards

- References:**
1. Title 33, Code of Federal Regulations Part 157 Rules for the Protection of the Marine Environment Relating to Tank Vessels Carrying Oil in Bulk
  2. International Convention for the Prevention of Pollution from Ships (MARPOL) 1973, as amended
  3. Marine Safety: International Conventions, Treaties, Standards, and Regulations, COMDTINST 16000.74

Steps		References	Initials
CS10.1	Verify approval	33 CFR 157.12(a) & 157.12(b) MARPOL I/31.1 MS-74/E.1.D.5	
CS10.2	Verify operation of recording device	33 CFR 157.12d(a)(4)(viii)(C) MARPOL I/31.2	
CS10.3	Verify approved operation manual	33 CFR 157.12g(c) MARPOL I/31.4	
CS10.4	Verify recording device records	33 CFR 157.12d(h)	

**Verifying Officer Guidance:** Trainee should know that step 3 is spot check. Trainee should be aware of the special requirements for the ODME if the ship carries biofuel mixtures under MARPOL Annex I IAW the 2011 Guidelines for the carriage of blends of petroleum oil and biofuels (MARPOL Additional Info 5).

**Inspector's Name:** (Last, First, Initial)

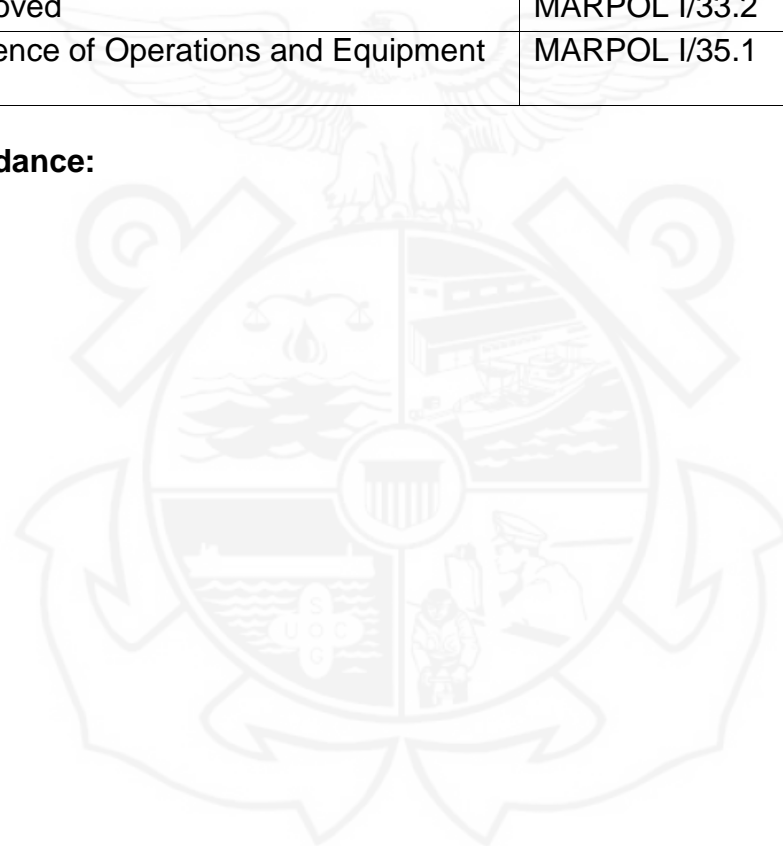
**EMPLID:**

**Verifying Officer's Signature:**

**Date:**

**Cargo Systems Examination (CS)****Foreign Tank Vessel****Task:** FTVE-CS11 Examine crude oil washing (COW) system**Condition:** *During cargo systems examination***Standard:** *In compliance with applicable policies, laws, regulations and standards***References:** 1. International Convention for the Prevention of Pollution from Ships (MARPOL) 1973, as amended

Steps		References	Initials
CS11.1	Verify presence	MARPOL I/33.1 & .33.3	
CS11.2	Verify approved	MARPOL I/33.2	
CS11.3	Verify presence of Operations and Equipment Manual	MARPOL I/35.1	

**Verifying Officer Guidance:**

<b>Inspector's Name:</b> (Last, First, Initial)	<b>EMPLID:</b>
<b>Verifying Officer's Signature:</b>	<b>Date:</b>

**Follow Up Actions (FU)**

**Foreign Tank Vessel**

**Task:** FTVE-FU01 Verify International Safety Management (ISM) compliance

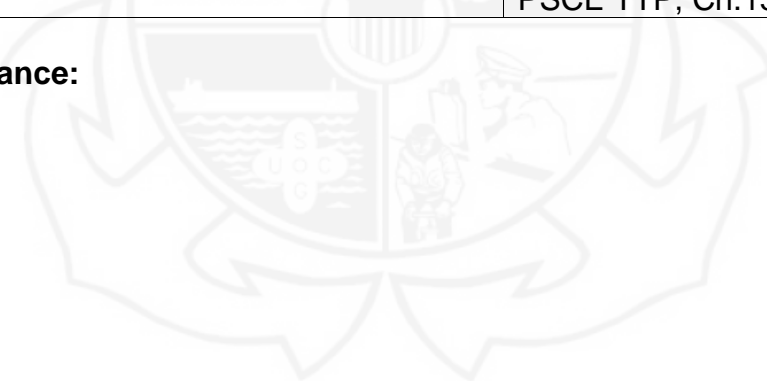
**Condition:** Upon identification of a systemic failure

**Standard:** In compliance with applicable policies, laws, regulations and standards

- References:**
1. International Safety Management (ISM) Code
  2. Procedures for Port State Control (series)
  3. Marine Safety: Port State Control, COMDTINST 16000.73
  4. Port State Control Examiner TTP, CG-TTP 3-72.12

Steps		References	Initials
FU01.1	Verify clear grounds exist to initiate expanded exam	Procedures, App 8 MS-73/D.1.G.2 PSCE TTP, Ch. 13	
FU01.2	Verify crew familiarity with vessel's Safety Management System (SMS)	ISM Code 6	
FU01.3	Verify company responsibilities and authority are clearly defined	ISM Code 3	
FU01.4	Verify record keeping compliance	ISM Code 11	
FU01.5	Verify maintenance requirements	ISM Code 10	
FU01.6	Verify SMS training requirement	ISM Code 6.5	
FU01.7	Review audit documentation and follow-up actions	ISM Code 1.4.6, 9 PSCE TTP, Ch.13	

**Verifying Officer Guidance:**



<b>Inspector's Name:</b> (Last, First, Initial)	<b>EMPLID:</b>
<b>Verifying Officer's Signature:</b>	<b>Date:</b>

**Follow Up Actions (FU)**

**Foreign Tank Vessel**

**Task:** FTVE-FU02 Issue or endorse vessel's Certificate of Compliance

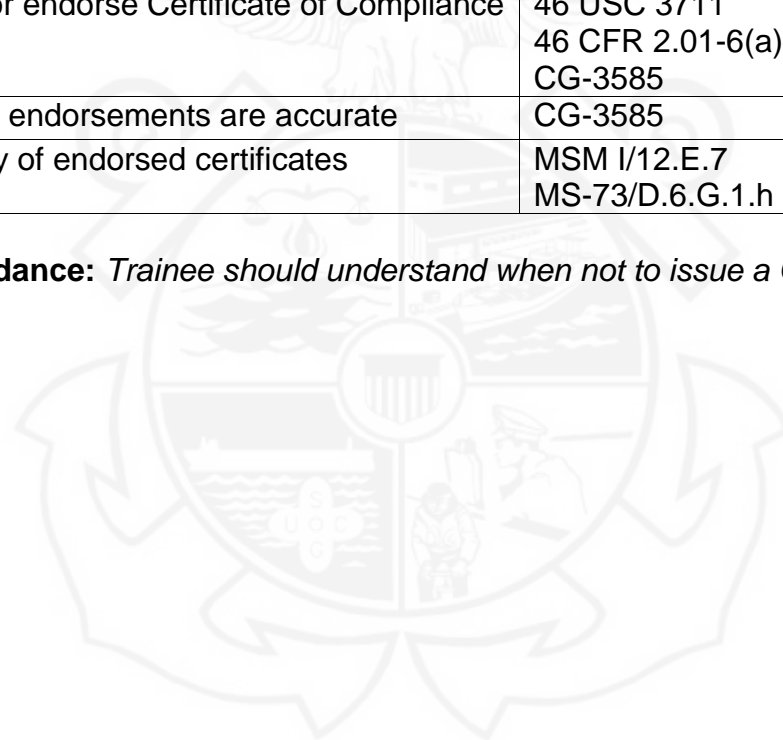
**Condition:** Upon completion of examination

**Standard:** In accordance with current policies, procedures and processes

- References:**
1. Title 46, United States Code § 3711 Evidence of Compliance by Foreign Vessels
  2. Title 46, Code of Federal Regulations Part 2 Vessel Inspections
  3. COMDTINST M16000.6 Marine Safety Manual Volume I Administration & Management
  4. Marine Safety: Port State Control, COMDTINST 16000.73
  5. Form CG-3585 Certificate of Compliance (COC)

Steps		References	Initials
FU02.1	Issue and/or endorse Certificate of Compliance	46 USC 3711 46 CFR 2.01-6(a)(4) CG-3585	
FU02.2	Verify COC endorsements are accurate	CG-3585	
FU02.3	Obtain copy of endorsed certificates	MSM I/12.E.7 MS-73/D.6.G.1.h	

**Verifying Officer Guidance:** Trainee should understand when not to issue a COC IAW MS-73/D.6.G.



<b>Inspector's Name:</b> (Last, First, Initial)	<b>EMPLID:</b>
<b>Verifying Officer's Signature:</b>	<b>Date:</b>



**Performance Qualification Standard and Job Aid Change  
Recommendation Form**

From: \_\_\_\_\_ Date: \_\_\_\_\_

PQS/Job Aid Title:


Section(s) Affected:


Remark(s)/Comment(s):


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