

Barge Inspector Performance and Qualification Standard

International Addendum (BII)

This Performance and Qualification Standard (PQS) workbook is an addendum to the Barge Inspector (BI) PQS. It is your responsibility to document all completed unit training items and keep track of all inspections completed during this process by filling out the Inspection Log located in appendix B of the BI PQS workbook.

This PQS workbook contains the necessary tasks and steps to conduct an inspection on an international barge. Those members who will be conducting inspections on international barges are required to complete all tasks and steps in this PQS workbook.

The BII PQS addendum may be completed concurrently with the BI PQS or subsequent to receiving a BI qualification. In either case a Certification Board must be satisfactorily completed prior to receiving the "International" notation on the BI Letter of Certification/ Designation.

Task: BII-PI01 Research vessel details in MISLE (Marine Information for Safety and Law Enforcement) database

Condition: *During preparation for inspection*

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

References: 1. Title 46, Code of Federal Regulations Part 151 Vessels Carrying Oil, Noxious Liquid Substances, Garbage, Municipal or Commercial Waste & Ballast Water
2. MISLE Vessels User Guide

Steps		References	Initials
PI01.1	Review for approval category D NLS cargoes	MISLE User Guide 46 CFR 151.12-5	

Verifying Officer Guidance: *Trainee should understand that when a barge goes international the NLS cargoes listed on the Cargo Authority Attachment (CAA) must be listed on a Certificate of Fitness (COF) or on the International NLS Certificate.*



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

EMPLID:

Verifying Officer's Signature:

Date:

Certificates and Documents (CD)

International Tank Barge

Task: BII-CD01 Review Load Line Certificate (International/Coastwise)

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 31 Tank Vessels - Inspection & Certification
 2. Title 46, Code of Federal Regulations Part 42 Load Lines - Domestic & Foreign Voyages by Sea
 3. Title 46, Code of Federal Regulations Part 44 Load Lines - Special Service Limited Domestic Voyages
 4. International Convention on Load Lines (ICLL) 1966, as amended
 5. U.S. Coast Guard Load Line Policy Notes (LLPN)
 6. U.S. Coast Guard Load Line Technical Manual (LLTM)

Steps		References	Initials
CD01.1	Parent cites	46 CFR 31.25-1 LL Policy Notes LL Technical Manual	
CD01.2	Verify presence and type	46 CFR 42.03-5 & 07-5 46 CFR 44.01-15 ICLL Article 16	
CD01.3	Verify validity	46 CFR 42.07-45 ICLL Article 15 ICLL Article 19	
CD01.4	Verify proper certificate form	46 CFR 42.07-45(e) ICLL Article 18	
CD01.5	Review cargo and ballast form	46 CFR 31.10-32(b) 46 CFR 42.15-1(a)	
CD01.6	Confirm load line observed on hull matches certificate	46 CFR 42.07-5(b) ICLL I/9	
CD01.7	Verify Record of Conditions of Assignment (Form LL.11-D) is present and validates issued Load Line	46 CFR 42.09-15	

Verifying Officer Guidance: Trainee shall know and understand the purpose, format, contents and how to use the information contained on the certificate, especially with regard to issuance, periods of validity and proper endorsements. The form referenced in CD01.5 is known as the cargo and ballast instruction manual.

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

EMPLID:

Verifying Officer's Signature:

Date:

Certificates and Documents (CD)

International Tank Barge

Task: BII-CD02 Review International Anti-Fouling System (IAFS) certificate & Record of Anti-Fouling System

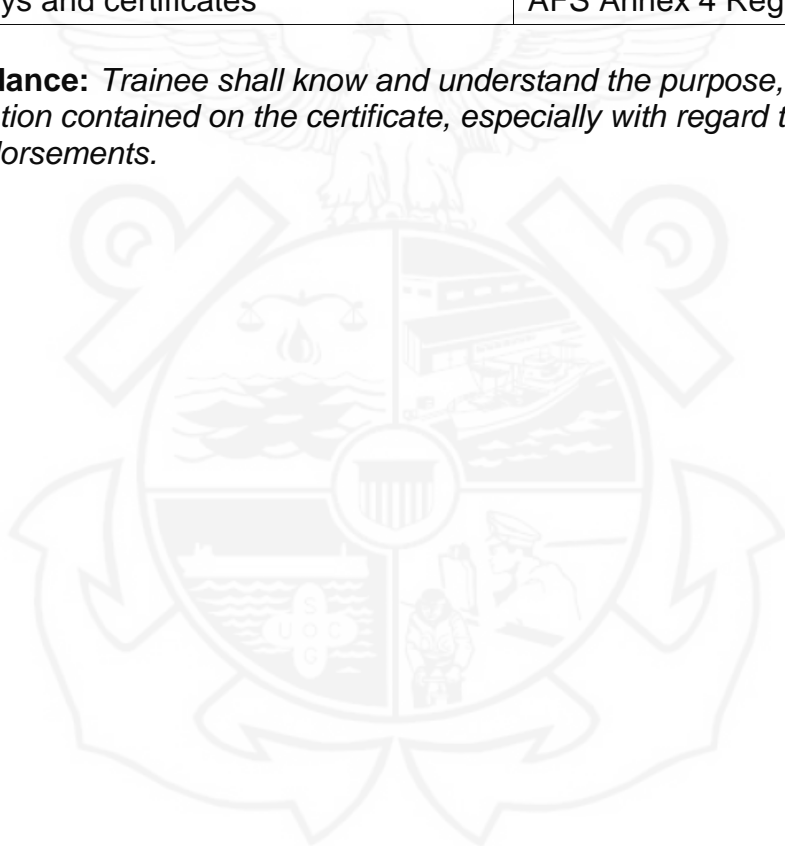
Condition: While validating certificates and documents

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

References: 1. International Convention on the Control of Harmful Anti-Fouling Systems on Ships (AFS), 2001

Steps		References	Initials
CD02.1	Verify surveys and certificates	AFS Annex 4 Reg 1	

Verifying Officer Guidance: Trainee shall know and understand the purpose, format, contents and how to use the information contained on the certificate, especially with regard to issuance, periods of validity and proper endorsements.



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

Task: BII-CD03 Review International Oil Pollution Prevention Certificate (IOPP) & Form A

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. Title 33, Code of Federal Regulations Part 155 Oil or Hazardous Material Pollution Prevention Regulations for Vessels
 3. International Convention for the Prevention of Pollution from Ships (MARPOL) 1973, as amended

Steps		References	Initials
CD03.1	Verify vessel particulars	MARPOL I/9 MARPOL I/Appendix II	
CD03.2	Verify vessel type is accurate	MARPOL I/2 MARPOL I/9	
CD03.3	Verify annual, intermediate, extension renewal, or change in anniversary date	33 CFR 151.17 MARPOL I/6	
CD03.4	Verify record of construction and equipment	33 CFR 151.23 MARPOL I/9	
CD03.5	Verify control requirements for machinery bilge and fuel oil tanks identified	MARPOL I/14 MARPOL I/16	
CD03.6	Verify retention and disposal requirements for oily bilge water holding tanks	33 CFR 151.25 MARPOL I/12	
CD03.7	Verify standard discharge connection requirement	33 CFR 155.420 & .430 MARPOL I/13	

Verifying Officer Guidance: Trainee should use CVC-approved Process Guide (01Jul13) when preparing/reviewing an IOPP certificate and supplement. Trainee shall know and understand all pertinent information contained on the certificate.

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

EMPLID:

Verifying Officer's Signature:

Date:

Task: BII-CD04 Review International Oil Pollution Prevention Certificate (IOPP) & Form B

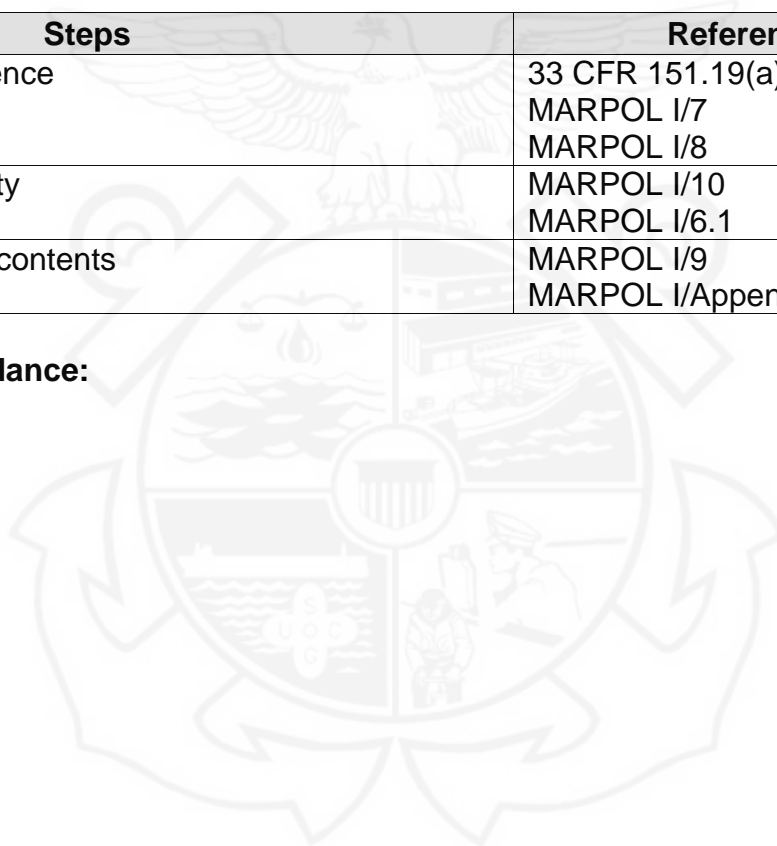
Condition: *While validating certificates and documents*

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
CD04.1	Verify presence	33 CFR 151.19(a) MARPOL I/7 MARPOL I/8	
CD04.2	Verify validity	MARPOL I/10 MARPOL I/6.1	
CD04.3	Verify form/contents	MARPOL I/9 MARPOL I/Appendix II	

Verifying Officer Guidance:



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

EMPLID:

Verifying Officer's Signature:

Date:

Certificates and Documents (CD)

International Tank Barge

Task: BII-CD05 Review International Air Pollution Prevention Certificate (IAPP) and Supplement Record of Construction and Equipment

Condition: While validating certificates and documents

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
 2. CG-CVC Policy Letter 12-04 Guidelines for Compliance and Enforcement of the Emission Control Areas Established within the U.S. Jurisdiction as Designated in MARPOL VI/14
 3. CG-543 Policy Letter 09-01 Guidelines for Ensuring Compliance with Annex VI
 4. NOx Technical Code (NOx Code) 2008, 2009 ed.

Steps		References	Initials
CD05.1	Verify vessel particulars	MARPOL VI/8 MARPOL VI/Appendix I	
CD05.2	Verify annual, intermediate, renewal, repair and extension endorsements and/or change in anniversary date	MARPOL VI/5	
CD05.3	Verify ozone depleting substances identified	MARPOL VI/12	
CD05.4	Verify Nitrogen Oxide emission sources identified	MARPOL VI/13	
CD05.5	Verify Sulphur Oxide (fuel oil) requirements identified	MARPOL VI/14 CG-CVC Policy Ltr 12-04	
CD05.6	Verify incinerator installation identified	MARPOL VI/16	
CD05.7	Verify validity of alternatives or equivalents	MARPOL VI/4	
CD05.8	Verify presence of Engine International Air Pollution Prevention (EIAPP) Certificate	MARPOL VI/13.8 NOx Code 2.1.1.1	
CD05.9	Verify EIAPP details & review engine technical files	CG-543 Policy Ltr 09-01 Encl. 1	
CD05.10	Verify presence of engines identified	MARPOL VI/13.1.1	
CD05.11	Verify Statement of Compliance is accompanied by EPA issued EIAPP	CG-543 Policy Ltr 09-01 Encl 1	

Verifying Officer Guidance: Trainee shall know and understand the purpose, format, contents and how to use the information contained on the certificate, especially with regard to issuance, periods of validity and proper endorsements.

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

EMPLID:

Verifying Officer's Signature:

Date:

Certificate of Inspection

International Tank Barge

Task: BII-CD06 Review 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 151 Vessels Carrying Oil, Noxious Liquid Substances, Garbage, Municipal or Commercial Waste & Ballast Water
2. Title 46, Code of Federal Regulations Part 153 Ships Carrying Bulk Liquid, Liquefied Gas or Compressed Gas Hazardous Materials
3. International Convention for the Prevention of Pollution from Ships (MARPOL) 1973, as amended

Steps		References	Initials
CD06.1	Verify presence	46 CFR 151.12-5 46 CFR 153.8(b) & .12 MARPOL II/9.1	
CD06.2	Verify validity	46 CFR 153.8(b)(2) MARPOL II/10 & .12	
CD06.3	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 PA 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)

International Tank Barge

Task: BII-CD07 Review International Energy Efficiency Certificate and Record of Construction

Condition: While validating certificates and documents

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
 2. CG-CVC Policy Letter 13-02 MARPOL Annex VI International Energy Efficiency (IEE) Certificate Implementation Guidance
 3. CG-543 Policy Letter 09-01 Guidelines for Ensuring Compliance with Annex VI to the International Convention for the Prevention of Pollution from Ships (MARPOL) 73/78; Prevention of Air Pollution from Ships
 4. IMO Resolution MEPC.203(62) Inclusion of Regulations on Energy Efficiency for Ships in MARPOL Annex VI
 5. IMO Resolution MEPC.278(70) (Adopted on 28 October 2016) Amendments to the Annex of the Protocol of 1997 to Amend the International Convention for the Prevention of Pollution from Ships

Steps		References	Initials
CD07.1	Verify presence	MARPOL Reg VI/6	
CD07.2	Verify validity	MARPOL Reg VI/9	
CD07.3	Verify proper form	MARPOL Reg VI/8 MARPOL VI/Appendix VIII	
CD07.4	Verify vessel particulars	MARPOL VI/Appendix VII	
CD07.5	Verify Energy Efficiency Design Index requirement	CG-CVC Policy Ltr 13-02 7.a IMO Res MEPC.203(62) 20.1 IMO Res MEPC.278(70)	
CD07.6	Verify Ship Energy Efficiency Management Plan is identified	CG-CVC Policy Ltr 13-02 7.b IMO Res MEPC.203(62) 22 IMO Res MEPC.278(70)	
CD07.7	Verify Technical File requirements are met	CG-543 Policy Ltr 09-01 IMO Res MEPC.203(62) 20.1 IMO Res MEPC.278(70)	

Verifying Officer Guidance: Trainee shall know and understand the purpose, format, contents and how to use the information contained on the certificate, especially with regard to issuance, periods of validity and proper endorsements.

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

EMPLID:

Verifying Officer's Signature:

Date:

Logs and Manuals Examination (LM)

International Tank Barge

Task: BII-LM01 Review Cargo Record Book and 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 151 Vessels Carrying Oil, Noxious Liquid Substances, Garbage, Municipal or Commercial Waste & Ballast Water
 2. Title 46, Code of Federal Regulations Part 153 Ships Carrying Bulk Liquid, Liquefied Gas or Compressed Gas Hazardous Materials
 3. International Convention for the Prevention of Pollution from Ships (MARPOL) 1973, as amended
 4. COMDTINST M16000.7B Marine Safety Manual Volume II Material Inspection Ch-2

Steps		References	Initials
LM01.1	Verify presence	46 CFR 151.12-5 & 153.490 MARPOL II/14.1 MSM II/E.1.E.3.b	
LM01.2	Verify validity	46 CFR 153.490 MARPOL II/14.1 MSM II/E.1.E.2.e.2	
LM01.3	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: BII-LM02 Review Shipboard Marine Pollution Emergency Plan (SMPEP)**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
 2. International Convention for the Prevention of Pollution from Ships (MARPOL) 1973, as amended

Steps		References	Initials
LM02.1	Verify presence	MARPOL II/17.1 & .3	
LM02.2	Verify validity	MARPOL II/17.1	
LM02.3	Verify contents	MARPOL II/17.2	

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.*

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

EMPLID:

Verifying Officer's Signature:

Date:

Task: BII-LM03 Review Shipboard Oil Pollution Emergency Plan (SOPEP)**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
LM03.1	Verify contents	33 CFR 151.26(a) & (b)	
LM03.2	Verify approval	33 CFR 151.27 MARPOL I/37.1	
LM03.3	Verify annual review	33 CFR 151.28(a) & (d)	
LM03.4	Verify combination plan	MARPOL I/37.3	

Verifying Officer Guidance: Trainee shall demonstrate a working knowledge of SOPEP's applicability (33 CFR 151.09 & MARPOL I/2), format, purpose and how to use the information. A combination plan occurs when the SOPEP is combine with a SMPEP.

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

EMPLID:

Verifying Officer's Signature:

Date:

Pollution Prevention Inspection (PP)**International Tank Barge****Task:** BII-PP01 Conduct an IOPP (MARPOL Annex I) survey**Condition:** *During pollution prevention inspection***Standard:** *In compliance with applicable policies, laws, regulations and standards*

- References:**
1. Title 33, Code of Federal Regulations Parts 151 & 155
 2. International Convention for the Prevention of Pollution from Ships (MARPOL) 1973, as amended
 3. IMO MEPC.1/Circ. 736/Rev.2 Guidance for the Recording of Operations in the Oil Record Book P
 4. art I – Machinery Space Operations (All Ships)
 5. IMO A.1120(30) - Survey Guidelines under the Harmonized System of Survey and Certification (HSSC), 2017
 6. IOPP Certificate Supplement or Record of Construction and Equipment
 7. COMDTINST M16000.7B Marine Safety Manual Volume II Material Inspection Ch-2

Steps		References	Initials
PP01.1	Verify oil record book entries	33 CFR 151.25, MSM II/E1-1 Checklist MARPOL I/17 IMO MEPC.1/Circ.736/Rev.2	
PP01.2	Witness operational test of equipment	33 CFR 155.330 -.380 MARPOL I/14 IMO Res A.1120(30)	
PP01.3	Verify piping and tank configuration	33 CFR 155.330 - .430 MARPOL I/12	
PP01.4	Confirm equipment installation matches international certificate	IMO Res A.1120(30) IOPP Certificate Supplement	

Verifying Officer Guidance: *Trainee shall demonstrate a working knowledge of applicability (33 CFR 151.03 & MARPOL I/2), equipment components, requirements, function(s) and operation. This includes the Plan/ORB format, purpose and how to use information to confirm compliance.*

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

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

From: _____ Date: _____

PQS/Job Aid Title:

Section(s) Affected:

Remark(s)/Comment(s):

Reference(s):

Signature: _____

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