
U.S. COAST GUARD



MOBILE OFFSHORE DRILLING UNIT INSPECTOR (MUI)

PERFORMANCE AND QUALIFICATION STANDARD



Marine Inspection and Investigation School
Training Center Yorktown

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Mobile Offshore Drilling Unit Inspector Performance and Qualification Standard

Competency Code: MUI

References:

- (a) U.S. Coast Guard Sector Organization Manual, COMDTINST M5401.6 (series)
- (b) Marine Safety Manual, COMDTINST M16000 (series)
- (c) Performance, Training & Education Manual, COMDTINST M1500.10C
- (d) Safety and Environmental Health Manual, COMDTINST 5100.47

This Performance and Qualification Standard (PQS) workbook is your On the Job Training (OJT) performance checklist for certification as a Mobile Offshore Drilling Unit Inspector (MUI). It is your responsibility to document all completed unit training items and keep track of all inspections/examinations completed during this process by filling out the MODU Examination Log located in Appendix C of this workbook.

This qualification is intended for all Coast Guard Marine Inspectors (Active Duty Officers and Civilian GS Personnel).

While MUI is a single competency code, it counts as BOTH a domestic and a foreign competency.

This PQS workbook contains the necessary tasks and steps for a MUI to conduct an Inspection for Certification on a U.S. flagged MODU and an examination for Certificate of Compliance on a foreign-flagged MODU. Those members who will be conducting inspections and/or examinations on MODUs are required to complete **ALL tasks and steps** in this PQS workbook. Certain tasks associated with inspections on MODUs 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 additional PQS workbook:

DCN: MPS-PQS-TCY-CDA – Commercial Diving

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: "Mobile Offshore Drilling Unit Inspector"
2. **Job Accomplishment:** the main deliverable for the qualification.
Example: "Certificate of Inspection" or "Certificate of Compliance"
3. **Major Accomplishment:** the valuable products of a job or specialty which collectively make up the job accomplishment.
Example: "Certificates and Documents (CD)"

4. **Vessel types:** the specific type of vessels within the formal title of the qualification that the task is associated with.

Example: "Mobile Offshore Drilling Unit"

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.

All tasks and steps must be validated by a designated 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.

Ideally, all steps and tasks within the PQS workbook shall be required to be completed prior to obtaining the MUI competency. With the exception of the training prerequisites listed on page (I), the Officer in Charge of Marine Inspection (OCMI) or designee may defer PQS items as authorized by references (a) and (d). The deferment of tasks should only be done when all reasonable attempts have been exhausted that would allow the apprentice the opportunity to demonstrate proficiency with a particular task. If a task is deferred, the reason for the deferment must be clearly articulated in both the PQS workbook and the certification letter for record keeping and accountability. The certification will be considered a "local certification" per reference (b) (MSM I/7.C.2.g) and limited to the cognizant OCMI's zone. Upon transfer of the inspector or OCMI, the certification will be rescinded until the deferred items have been completed to the satisfaction of the new OCMI. **Division Chiefs shall examine all qualifications and prerequisites of newly reported Marine Inspectors to identify any deferred items necessary for their port.**

Prior to any task being deferred for an individual seeking certification as a MODU Inspector (MUI), that individual's Chief, Inspections Division (CID) or Marine Inspection Training Officer (MITO) shall notify the Outer Continental Shelf National Center of Expertise (OCS NCOE). The OCS NCOE will work with the individual and his/her unit to identify an opportunity for the individual to demonstrate proficiency with the task. If an opportunity cannot be identified, the OCS NCOE shall notify the individual's unit via e-mail. A copy of the e-mail from the OCS NCOE shall be attached to the individual's MUI PQS workbook until proficiency with the task has been demonstrated.

Prior to any prerequisite being deferred the individual's command must seek a waiver from the Offshore Division of the Office of Commercial Vessel Compliance (CVC-1).

A Certification Board should only be completed after all the 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 Training Management Tool (TMT).**

IMPORTANT NOTE: MODUs have varied legal applicability for specific parts of the CFRs, dependent on both the build date and examination “option” (for foreign-flagged MODUs). VOs are to ensure that trainees have a working knowledge of the applicability of a requirement for every task and step in this PQS workbook. Remember, applicability starts in 33 CFR Subchapter N (parent subchapter).

All CFR references are from the 2017 edition of the respective Subchapter, unless specified otherwise on the PQS task card. All “Option C” references are from the IMO Code for Construction and Equipment of Mobile Offshore Drilling Units, 2009 (as amended).

Amendments to the 2009 MODU Code (affects numbering accuracy of the printed 2010 edition, IMO I810E; [ensure amendments are entered into your printed edition or you obtain an up-to-date electronic copy](#)):

Erratum, December 2012:

On page 125, in the last sentence of paragraph 9.12.1, replace “13.5.25” with “13.5.26”.

Resolution MSC.387(94), adopted & effective 18Nov2014:

In paragraph 14.12.4 a new subparagraph “.3” is added with the following: “.3 alternatively, the provisions regarding launching and manoeuvring may be considered as having been met for those units that have, (a) implemented the Guidelines developed by the Organization* and they are included in the unit's operating procedures or, (b) by other equivalent means acceptable to the Administration.”

Footnote:

“*Refer to the Guidelines on alternative methods for lifeboat drills on MODUs, developed by the Organization and included in MSC.1/Circ.1485.”

Resolution MSC.359(92), adopted 21Jun2013, effective 01Jun2015:

Enclosed spaces entry and drills, Inserts new sections 14.7 and 14.14 and renumbers existing section 14.7 through the end of chapter 14. See resolution for additional details.

Resolution MSC.384(94), adopted 21Nov2014, effective 01Jul2016:

Adds Chapter 15, Special Measures to Enhance Safety

15.1 Atmosphere testing instrument for enclosed spaces

15.1.1 Each unit should carry an appropriate portable atmosphere testing instrument or instruments*. As a minimum, these should be capable of measuring concentrations of oxygen, flammable gases or vapours, hydrogen sulphide and carbon monoxide prior to entry into enclosed spaces**. Instruments carried under other requirements may satisfy this regulation. Suitable means should be provided for the calibration of all such instruments.

15.1.2 Such instruments should be in addition to those provided with the unit's firefighter's outfits.

Footnotes:

*Refer to the Guidelines to facilitate the selection of portable atmosphere testing instruments for enclosed spaces as required by SOLAS regulation XI-1/7 (MSC.1/Circ.1477).

**Refer to the Revised recommendations for entering enclosed spaces aboard ships (resolution A.1050(27)).

Resolution MSC.435(98), adopted 09Jun2017, effective for MODUs with keels laid on or after 01Jan2020:

Implements numerous changes related to the lessons learned from the explosion, fire and loss of the DEEPWATER HORIZON. Changes affect chapters 1, 6, 8, 9, 10, 13 and 14 and will again renumber multiple sections of the 2009 MODU Code. See resolution for details.

MSC/Circ.645 (affects 4.13 footnote) applies to MODUs built between 01Jul94 & 08Jun17, while **Circ.1580** is recommended for MODUs built 09Jun17 & later, except that section 4 is recommended for both new and existing units.

MSC.1/Circ.1486/Corr.1, 10Jun2016 corrects Circ.1489, 12Jan2015, and renumbered cites referred to in the 2009 MODU Code, as amended.

SUMMARY OF PQS FOOTNOTES pertaining to applicability of steps and references:

U.S./Option A -

- (1) U.S. MODUs only
- (2) Option "A" MODUs only
- (3) U.S. MODUs on an international voyage only
- (4) No U.S. or Option A MODUs are currently outfitted with cargo tank arrangements that would require ORB Part II.
- (5) Only one U.S. MODU currently is self-propelled and that MODU is enrolled in ACP. A U.S. MODU that is self-propelled will normally carry a MODU Safety Certificate and relevant SOLAS certificates, attesting to compliance with the MODU Code and SOLAS, in which case the Option C requirements and applicable Classification Society Rules would be followed. Option A MODUs are typically SEUs.
- (6) Type approval documents will have to be consulted for fire-protected boats approved under approval series 160.035.
- (7) Only one U.S. MODU currently has DP and that MODU is enrolled in ACP. A U.S. MODU that has DP capabilities will normally carry a MODU Safety Certificate and will be in compliance with the MODU Code, in which case the Option C requirements and applicable Classification Society Rules would be followed. Option A MODUs are typically SEUs.
- (8) Only required with helideck refueling operations
- (9) U.S. MODUs with periodically unattended machinery spaces only
- (10) Only for MODUs constructed after 02Apr2018

Option C -

- (a) MODU 09 14.13.5 for davit-launched liferafts goes into effect on 01Jan2020 (MSC.435(98) (09Jun2017)).
- (b) Dedicated rescue boats will be required for Option C MODUs constructed on/after 01Jan2020 (MSC.435(98)).
- (c) Drill floor fire extinguishing requirements will be mandatory for Option C MODUs constructed on/after 01Jan2020 (MSC.435(98)).
- (d) Man overboard drills become a mandatory quarterly requirement for Option C MODUs constructed on/after 01Jan2020 (MSC.453(98)).

Appendices:

- A. List of Additional References
- B. Glossary
- C. Examination Log

Enclosure:

- 1. MODU Industry Indoctrination Guide

PQS Verifying Officer Signature Verification Log

RATE/ RANK	SIGNATURE/ PRINT NAME	EMPLID	INITIALS	UNIT
REMARKS:				

Mobile Offshore Drilling Unit Inspector PQS

RECORD OF COMPLETION		
Training Prerequisites	Date	Training Coordinator's Signature
A. Assign MUI competency in TMT		
B. Completion of the following resident, on-line or commercial courses:		
1. Port State Control Officer Course (501864); or		
2. MST A-School (only if completed after January 2010 or prior to September 2017); and		
3. Marine Inspector Course (501869); and		
4. Outer Continental Shelf Inspector Course (250269); and		
5. Introduction to Confined Space Entry & Shipyard Competent Person for Marine Inspection/Port State Control (100028)		
6. Completion of Helicopter Underwater Egress Training (HUET)		
C. Completion of:		
1. Port State Control Examiner (PSCE) competency; and		
2. Completion of one Port State Control Officer competency; and		
3. Completion of one Domestic Marine Inspector competency		
D. Completion of this PQS Workbook		
E. Successful completion of final assessment under the observation of the Verifying Officer		
F. Successful completion of the final board by MUI Certification Board (MUICB)		
MUICB Members Present for Board:		
G. MODU Industry Indoctrination Guide (meets Industry Specific Orientation Indoctrination requirement)		
H. Certification/Designation Letter submitted for approval		
I. Once Certification/Designation Letter is signed make appropriate entries in TMT		
REMARKS:		

Mobile Offshore Drilling Unit Inspector PQS

Task Number	Task Description	Date Completed
MUI-PE01	Schedule inspection/examination in Maritime Information for Safety and Law Enforcement (MISLE)	
MUI-PE02	Coordinate inspection/examination with vessel's representative	
MUI-PE03	Conduct meeting with vessel's representative to discuss scope of the inspection/examination	
MUI-PE04	Issue Letter of Determination (LOD)	
MUI-PE05	Mitigate potential hazards encountered during an exam	
MUI-CD01	Examine Certificate of Compliance (COC)	
MUI-CD02	Review Certificate of Inspection (COI)	
MUI-CD03	Examine Crew Certificates of Competency and Proficiency for U.S. MODUs	
MUI-CD04	Examine Crew Certificates of Competency and Proficiency for Foreign-Flagged MODUs	
MUI-CD05	Examine Code for the Construction and Equipment of Mobile Offshore Drilling Units Certificate	
MUI-LM01	Examine logbook entries	
MUI-LM02	Examine rescue boat maintenance records and service logs/reports	
MUI-LM03	Review records of emergency training and drills	
MUI-LM04	Examine liferaft maintenance records and service logs/reports	
MUI-LM05	Examine lifeboat maintenance records and service logs/reports	
MUI-LM06	Examine fire-fighting equipment maintenance and service logs/reports	
MUI-LM07	Examine fire detection system maintenance and service logs/reports	
MUI-LM08	Examine gas detection maintenance and service logs/reports	
MUI-LM09	Examine crane maintenance and service logs/reports	
MUI-LM10	Examine Unfired Pressure Vessels (UPVs) and relief valves maintenance and service logs/reports	
MUI-LM11	Examine Marine Operating Manual (MOM)	
MUI-LM12	Examine Emergency Evacuation Plan (EEP)	
MUI-LM13	Examine construction portfolio (booklet)	
MUI-LM14	Examine Oil Record Book (ORB) Part II (when applicable)	
MUI-BN01	Inspect/examine propulsion and operational mode indicators	
MUI-BN02	Verify operation of communication equipment	

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MUI-BN03	Examine sound reception system on totally enclosed bridge	
MUI-BN04	Witness operational test of steering gear	
MUI-BN05	Inspect/examine internal communications	
MUI-BN06	Inspect/examine anchor(s) and chain	
MUI-BN07	Inspect/examine hull for required markings	
MUI-BN08	Inspect/examine hull, anchors and anchor chain for compliance with the Non-Indigenous Aquatic Nuisance Species Act	
MUI-GH01	Inspect/examine accommodations	
MUI-GH02	Inspect/examine galley	
MUI-GH03	Inspect/examine personal protective equipment and procedures	
MUI-GH04	Inspect/examine hospital space	
MUI-GH05	Inspect/examine arrangements in machinery and working spaces	
MUI-GH06	Inspect/examine storage of gas cylinders	
MUI-GH07	Examine hydrogen sulphide (sulfide) (H ₂ S) detection and alarm system	
MUI-GH08	Inspect/examine means of escape	
MUI-GH09	Avoid inadvertent entry into a confined space	
MUI-LS01	Inspect/examine general emergency systems	
MUI-LS02	Inspect/examine rescue boat	
MUI-LS03	Inspect/examine muster and embarkation stations	
MUI-LS04	Inspect/examine fixed metal ladders	
MUI-LS05	Inspect/examine inflatable liferafts and davit launched arrangements	
MUI-LS06	Inspect/examine lifeboats	
MUI-LS07	Inspect/examine boat davits	
MUI-FF01	Inspect/examine areas for compliance with Structural Fire Protection (SFP) requirements	
MUI-FF02	Inspect/examine fixed fire detection and alarm system	
MUI-FF03	Examine flammable gas and alarm system(s)	
MUI-FF04	Examine apparatus for recharging air cylinders	
MUI-FF05	Inspect/examine fire main system(s)	
MUI-FF06	Examine deluge system	
MUI-DP01	Examine operational capabilities of Dynamic Positioning (DP) systems	

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MUI-DP02	Examine DP's power management system	
MUI-DP03	Examine DP's thruster system(s)	
MUI-DP04	Examine DP's control systems	
MUI-HD01	Inspect/examine helideck	
MUI-HD02	Inspect/examine helideck fire fighting systems	
MUI-HD03	Inspect/examine refueling station (if equipped)	
MUI-MI01	Examine bilge pumps installation, piping, and valves	
MUI-MI02	Examine ballast pumps installation, piping, and valves (Column Stabilized Units)	
MUI-MI03	Inspect/examine oil/fuel service and transfer system(s)	
MUI-MI04	Inspect/examine Unfired Pressure Vessels (UPVs)	
MUI-MI05	Examine steering gear assembly and operation	
MUI-MI06	Inspect/examine main service and propulsion generator(s) and prime mover(s)	
MUI-MI07	Inspect/examine emergency generator(s) and prime mover(s)	
MUI-ES01	Inspect/examine switchboards	
MUI-ES02	Inspect/examine motor controllers	
MUI-ES03	Inspect/examine controls and alarms for unattended machinery spaces (when applicable)	
MUI-ES04	Inspect/examine hazardous location plan	
MUI-ES05	Inspect/examine intrinsically safe electrical equipment in hazardous locations	
MUI-ES06	Inspect/examine non-intrinsically safe electrical equipment in hazardous locations	
MUI-ES07	Inspect/examine machinery in hazardous areas	
MUI-ES08	Inspect/examine openings, access and ventilation conditions in hazardous areas	
MUI-ES09	Examine rig emergency shutdown(s)	
MUI-SW01	Examine general condition of hull and structural members	
MUI-SW02	Inspect/examine internal watertight bulkheads and doors/closures	
MUI-SW03	Inspect/Examine external watertight integrity	
MUI-CS01	Examine portable tanks	
MUI-CS02	Examine crane(s)	
MUI-ED01	Evaluate fire drill	
MUI-ED02	Evaluate abandonment drill	

Mobile Offshore Drilling Unit Inspector PQS

MUI-ED03	Evaluate man overboard drill	
MUI-FU01	Verify compliance with International Safety Management (ISM) Code	
MUI-FU02	Issue deficiencies	
MUI-FU03	Issue control action(s)	
MUI-FU04	Verify deficiency corrections	
MUI-FU05	Issue/endorse certificates	
MUI-FU06	Complete Maritime Information for Safety and Law Enforcement (MISLE) Activity	

Mobile Offshore Drilling Unit Inspector (MUI)**MODU COI/COC****Pre-Exam (PE)****All MODUs**

Task: MUI-PE01 Schedule inspection/examination in Maritime Information for Safety and Law Enforcement (MISLE)

Condition: During preparation for inspection/examination, after giving consideration to the different options of design, equipment and operating standards that MODUs may comply with

Standard: In accordance with current laws, regulations, policies, procedures and processes

- References:**
1. Title 33, Code of Federal Regulations Part 138 Financial Responsibility for Water Pollution & OPA 90 Limits of Liability
 2. Title 33, Code of Federal Regulations Parts 140, 143 & 146
 3. Title 46, Code of Federal Regulations Part 2 Vessel Inspections
 4. COMDTINST M16000.6 Marine Safety Manual Volume I & COMDTINST M16000.7B Marine Safety Manual Volume II, Ch-2
 5. CG-543 Policy Letter 11-01 Guidelines for CG Evaluations of Compliance with the EPA's Vessel General Permit
 6. MPS-PR-SEC-01, 02, 04 & 07
 7. Mission Management System (MMS) Work Instruction - MISLE Data Entry Requirements for Outer Continental Shelf (OCS) Inspections

Steps		U.S./Option A References	Option C References	Initials
PE01.1	Determine the authority, jurisdiction, and applicable regulation(s)	33 CFR 140.3 & .101(a) 33 CFR 143.205 ⁽¹⁾ or 207(a) 33 CFR 146.203 or 205(a)	33 CFR 140.3 & .101(a) 33 CFR 143.207(c) 33 CFR 146.205(c)	
PE01.2	Locate vessel in MISLE	MPS-PR-SEC-04 MSM I/12.F	MPS-PR-SEC-04 MSM I/12.F	
PE01.3	Verify documents are current in MISLE	MPS-PR-SEC-04	MPS-PR-SEC-04	
PE01.4	Review history (narratives, deficiencies & special notes)	MPS-PR-SEC-01 ⁽¹⁾ & 04 MMS Work Instruction	MPS-PR-SEC-02 & 04 MMS Work Instruction MSM I/12.G.2.a	
PE01.5	Verify status of user fees	46 CFR 2.10-101 & 130(b)	46 CFR 2.10-130(a) MSM II/G.3.A.2.a	
PE01.6	Prepare folder and required documents	46 CFR 2.01-5 ⁽¹⁾ or 2.01-6 MPS-PR-SEC-04 MPS-PR-SEC-07	46 CFR 2.01-6 MPS-PR-SEC-04 MPS-PR-SEC-07	

(Task MUI-PE01 continued on next page)

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

PE01.7	Verify status of Certificate of Financial Responsibility (e-COFR)	33 CFR 138.15(b) & .85 MMS Work Instruction	33 CFR 138.15(b) & .85 MMS Work Instruction	
PE01.8	Generate new activity	MMS Work Instruction	MMS Work Instruction	
PE01.9	Verify submittal of Environmental Protection Agency (EPA) Notice of Intent (NOI)	CG-543 Policy Ltr 11-01	CG-543 Policy Ltr 11-01	

Verifying Officer Guidance: *Trainee shall demonstrate a working knowledge of MISLE, the Coast Guard's Mission Management System (MMS) processes and procedures as they relate to MODUs.*

⁽¹⁾U.S. MODUs only.



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

Mobile Offshore Drilling Unit Inspector (MUI)**MODU COI/COC****Pre-Exam (PE)****All MODUs****Task:** MUI-PE02 Coordinate inspection/examination with vessel's representative**Condition:** During preparation for inspection/examination, after giving consideration to the different options of design, equipment, and operating standards that MODUs may comply with**Standard:** In accordance with current laws, regulations, policies, procedures and processes

- References:**
1. Title 33, Code of Federal Regulations Part 143 OCS - Design & Equipment
 2. Title 33, Code of Federal Regulations Part 146 OCS - Operations
 3. COMDTINST M16000.7B Marine Safety Manual Volume II Material Inspection Ch-2
 4. MPS-PR-SEC-01 Scheduling Domestic Vessel Inspections
 5. MPS-PR-SEC-02 Scheduling Foreign Vessel Examinations
 6. MPS-PR-SEC-04 Preparing for Inspections and Examinations

Steps		U.S./Option A References	Option C References	Initials
PE02.1	Identify vessel's representative	MPS-PR-SEC-01 ⁽¹⁾ & -02 ⁽²⁾ MPS-PR-SEC-04	MPS-PR-SEC-02 MPS-PR-SEC-04	
PE02.2	Confirm vessel arrival time, destination, inspection/examination based on Advanced Notice of Arrival (ANOVA)	33 CFR 146.202 & .215 MPS-PR-SEC-02 ⁽²⁾	33 CFR 146.202 & .215 MPS-PR-SEC-02	
PE02.3	Articulate examination expectations	33 CFR 143.205 ⁽¹⁾ , .207(a) ⁽²⁾ 33 CFR 146.203 ⁽¹⁾ , .205(a) ⁽²⁾ MPS-PR-SEC-01 ⁽¹⁾ , -02 ⁽²⁾	33 CFR 143.207(c) 33 CFR 146.205(c) MPS-PR-SEC-02	
PE02.4	Verify owner/operator information	MPS-PR-SEC-04	MPS-PR-SEC-04	
PE02.5	Verify Classification Society information	MPS-PR-SEC-04	MPS-PR-SEC-04	
PE02.6	Confirm MISLE targeting score with information attained from vessel representative	MSM II/G.3.N ⁽²⁾	MSM II/G.3.N	

Verifying Officer Guidance: Trainee shall also demonstrate a working knowledge of their unit's and/or District's policies and procedures for arranging flights to/from the MODU and how to complete any required documentary paperwork.

⁽¹⁾U.S. MODUs only. ⁽²⁾Option "A" MODUs only.

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

Mobile Offshore Drilling Unit Inspector (MUI)**MODU COI/COC****Pre-Exam (PE)****All MODUs**

Task: MUI-PE03 Conduct meeting with vessel's representative to discuss scope of the inspection/examination

Condition: During preparation for inspection/examination, after giving consideration to the different options of design, equipment and operating standards that MODUs may comply with

Standard: In accordance with current laws, regulations, policies, procedures and processes

References:

1. Title 33, Code of Federal Regulations Part 143 OCS - Design & Equipment
2. Title 33, Code of Federal Regulations Part 146 OCS - Operations
3. MPS-PR-SEC-05 Conducting Domestic Vessel Inspections
4. MPS-PR-SEC-06 Conducting Foreign Vessel Examinations

Steps		U.S./Option A References	Option C References	Initials
PE03.1	Discuss outstanding Conditions of Class and any third party servicing report discrepancies	MPS-PR-SEC-05 ⁽¹⁾ MPS-PR-SEC-06 ⁽²⁾	MPS-PR-SEC-06	
PE03.2	Discuss examination procedures and expectations	33 CFR 143.205 ⁽¹⁾ , .207(a) ⁽²⁾ 33 CFR 146.203 ⁽¹⁾ , .205(a) ⁽²⁾	33 CFR 143.207(c) 33 CFR 146.205(c)	
PE03.3	Assess ongoing operations to include well ops that could affect examination and equipment availability with Master/OIM	MPS-PR-SEC-05 ⁽¹⁾ MPS-PR-SEC-06 ⁽²⁾	MPS-PR-SEC-06	
PE03.4	Coordinate actual machinery/equipment testing procedures	MPS-PR-SEC-05 ⁽¹⁾ MPS-PR-SEC-06 ⁽²⁾	MPS-PR-SEC-06	

Verifying Officer Guidance: Trainee shall demonstrate confidence, openness to differing points of view and flexibility. Trainee should also have an understanding of the scope of a COC examination and how to conduct an examination taking into consideration ongoing operations onboard the MODU.

⁽¹⁾U.S. MODUs only. ⁽²⁾Option "A" MODUs only.

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

EMPLID:

Verifying Officer's Signature:

Date:

Mobile Offshore Drilling Unit Inspector (MUI)**MODU COI/COC****Pre-Exam (PE)****All MODUs****Task: MUI-PE04 Issue Letter of Determination (LOD)**

Condition: *During preparation for inspection/examination, after giving consideration to the different options of design, equipment and operating standards that MODUs may comply with*

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

- References:**
1. Title 5, United States Code § 552 Freedom of Information Act & § 552a Privacy Act
 2. Title 43, United States Code § 1356 OCS Lands - Documentary, Registry & Manning Requirements
 3. Title 33, Code of Federal Regulations Part 141 OCS - Personnel
 4. COMDTINST M5212.12A Information and Life Cycle Management Manual
 5. COMDTINST M5260.3 Coast Guard Freedom of Information (FOIA) and Privacy Acts Manual
 6. NVIC 07-84 Outer Continental Shelf (OCS) Citizenship Requirements; Exemptions from

Steps		U.S./Option A References	Option C References	Initials
PE04.1	Determine applicability	43 USC 1356(c) 33 CFR 141.5	43 USC 1356(c) 33 CFR 141.5	
PE04.2	Review request	33 CFR 141.5	33 CFR 141.15 NVIC 07-84	
PE04.3	Prepare LOD	33 CFR 141.5(c) NVIC 07-84	33 CFR 141.5(c) NVIC 07-84	
PE04.4	Retain a copy, log issued LODs and secure documentation received from employers/applicants	5 USC 552 & 552a COMDTINST M5260.3 COMDTINST M5212.12A	5 USC 552 & 552a COMDTINST M5260.3 COMDTINST M5212.12A	

Verifying Officer Guidance: *Trainee should demonstrate a working knowledge of Coast Guard (HQ, District and unit) policies and procedures related to the issuance of LODs including when to escalate the request for District and/or CG-CVC review/action. Trainee should also understand the differences between an LOD letter issued by the OCMI and an Exemption Letter or Letter of Non-Applicability issued by CG-CVC.*

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

Mobile Offshore Drilling Unit Inspector (MUI)**MODU COI/COC****Pre-Exam (PE)****All MODUs**

Task: MUI-PE05 Mitigate potential hazards encountered during an inspection/examination

Condition: During preparation for inspection/examination, after giving consideration to the different options of design, equipment and operating standards that MODUs may comply with

Standard: In accordance with current laws, regulations, policies, procedures and processes

- References:**
1. Title 29, Code of Federal Regulations Part 1915 Occupational Safety & Health Standards for Shipyard Employment
 2. COMDTINST M16000.6 Marine Safety Manual Volume I, Chapter 10 & Appendix A,C,G to chap 10
 3. COMDTINST M16000.7B Marine Safety Manual Volume II Material Inspection Ch-2
 4. NFPA 306 Standard for the Control of Gas Hazards on Vessels
 5. Gas Alert Quattro Gas Detector Operator's Manual

Steps		U.S./Option A References	Option C References	Initials
PE05.1	Recognize potential hazards encountered during an exam	NFPA 306	NFPA 306	
PE05.2	Determine confined spaces onboard vessel	MSM I/CH10	MSM I/CH10	
PE05.3	Determine if exam scope will require a Marine Chemist certification for entry into spaces	29 CFR 1915, Part B	29 CFR 1915, Part B MSM II/G.1.J.1	
PE05.4	Verify Marine Chemist has been scheduled for the exam (when applicable)	MSM II/G.1.J.1 & 2 ⁽¹⁾	MSM I/CH10 App. A	
PE05.5	Prepare necessary personal protective equipment for exam	MSM I/CH10 App. A Quattro Operator's Manual	MSM I/CH10 App. A Quattro Operator's Manual	
PE05.6	Review CG policy for when to leave a space due to hazardous condition	MSM I/CH10 App. A	MSM I/CH10 App. A	

Verifying Officer Guidance:

⁽¹⁾U.S. MODUs only.

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

EMPLID:

Verifying Officer's Signature:

Date:

Mobile Offshore Drilling Unit Inspector (MUI)**MODU COC****Certificates and Documents (CD)****All Foreign MODUs****Task:** MUI-CD01 Examine Certificate of Compliance (COC)

Condition: *While validating certificates and documents, after giving consideration to the different options of design, equipment, and operating standards that foreign MODUs may comply with*

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

- References:**
1. Title 33, Code of Federal Regulations Part 143 OCS - Design & Equipment
 2. Title 33, Code of Federal Regulations Part 146 OCS - Operations
 3. Title 46, Code of Federal Regulations Part 2 Vessel Inspections
 4. COMDTINST M16000.7B Marine Safety Manual Volume II Material Inspection Ch-2
 5. Form CG-3585 Certificate of Compliance (COC), Rev 11/15

Steps		U.S./Option A References	Option C References	Initials
CD01.1	Verify compliance option	33 CFR 143.207(a) ⁽²⁾ 33 CFR 146.205(a) ⁽²⁾ MSM II/G.3.B.1 ⁽²⁾	33 CFR 143.207(c) 33 CFR 146.205(c) MSM II/G.3.B.3	
CD01.2	Verify particulars are accurately reflected	CG-3585 ⁽²⁾	CG-3585	
CD01.3	Verify certificate is valid	33 CFR 143.210 ⁽²⁾ 46 CFR 2.01-6(a)(3) ⁽²⁾ MSM II/G.3.A.2 ⁽²⁾	33 CFR 143.210 46 CFR 2.01-6(a)(3) MSM II/G.3.A.2	

Verifying Officer Guidance: *Trainee must demonstrate an understanding of the different standards MODUs may comply with depending on (1) examination options; (2) year built and (3) information found on the various forms of MODU Safety Certificates. (such as a National MODU Code Safety Certificate, IMO MODU Code Certificate, and/or a Panama/Marshall Islands Certificate.)*

⁽²⁾Option "A" MODUs only.

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

EMPLID:

Verifying Officer's Signature:

Date:

Mobile Offshore Drilling Unit Inspector (MUI)**MODU COI****Certificates and Documents (CD)****All U.S. MODUs****Task:** MUI-CD02 Review Certificate of Inspection (COI)**Condition:** *While validating certificates and documents, after giving consideration to the different options of design, equipment, and operating standards that foreign MODUs may comply with***Standard:** *In accordance with current laws, regulations, policies, procedures and processes*

References:

1. Title 46, Code of Federal Regulations Part 2 Vessel Inspections
2. Title 46, Code of Federal Regulations Part 15 Manning Requirements
3. Title 46, Code of Federal Regulations Part 107 Inspection and Certification
4. Title 46, Code of Federal Regulations Part 108 MODU Design & Equipment
5. Title 46, Code of Federal Regulations Part 109 MODU Operations
6. COMDTINST M16000.7B Marine Safety Manual Volume II Material Inspection Ch-2

Steps		U.S./Option A References	Option C References	Initials
CD02.1	Verify COI	46 CFR 107.211 & .215 46 CFR 109.563(c) ⁽¹⁾	N/A	
CD02.2	Validate manning	46 CFR 15.501 & 520 ⁽¹⁾	N/A	
CD02.3	Validate number of industrial personnel authorized	46 CFR 107.113 ⁽¹⁾	N/A	
CD02.4	Validate firefighting & lifesaving equipment requirements	46 CFR 108, Subparts D & E ⁽¹⁾	N/A	
CD02.5	Verify amendments	46 CFR 2.01-5(c) ⁽¹⁾ 46 CFR 107.227 ⁽¹⁾ MSM II/G.2.D ⁽¹⁾	N/A	

Verifying Officer Guidance:⁽¹⁾U.S. MODUs only.**Inspector's Name:** (Last, First, Initial)**EMPLID:****Verifying Officer's Signature:****Date:**

Mobile Offshore Drilling Unit Inspector (MUI)**MODU COI****Certificates and Documents (CD)****All U.S. MODUs**

Task: MUI-CD03 Examine Crew Certificates of Competency and Proficiency for U.S. MODUs

Condition: *While validating certificates and documents, after giving consideration to the different options of design, equipment, and operating standards that MODUs may comply with*

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

References:

1. Title 33, Code of Federal Regulations Part 141 OCS - Personnel
2. Title 33, Code of Federal Regulations Part 146 OCS - Operations
3. Title 46, Code of Federal Regulations Part 10 Merchant Mariner Credential
4. Title 46, Code of Federal Regulations Parts 15 & 109
5. International Convention on Standards of Training, Certification & Watchkeeping (STCW) 1978, as amended
6. Code for the Construction and Equipment of Mobile Offshore Drilling Units (MODU), 2009
7. NVIC 07-84 Outer Continental Shelf (OCS) Citizenship Requirements; Exemptions from

Steps		U.S./Option A References	Option C References	Initials
CD03.1	Verify original credentials are onboard and valid	46 CFR 10.203(a) & (c) ⁽¹⁾ 46 CFR 10.205 & .233 ⁽¹⁾ 46 CFR 15.401(d) ⁽¹⁾	N/A	
CD03.2	Verify STCW & Flag State endorsements	46 CFR 10.203(c) ⁽¹⁾ & .205 ⁽¹⁾	N/A	
CD03.3	Verify valid medical certificate	46 CFR 15.401(d) ⁽¹⁾	N/A	
CD03.4	Verify Transportation Worker Identification Credential (TWIC)	46 CFR 10.203(b) & (d) ⁽¹⁾	N/A	

(Task MUI-CD03 continued on next page)

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

CD03.5	Verify required number of Lifeboatmen	46 CFR 109.323 ⁽¹⁾	N/A	
CD03.6	Verify letters of determination or exemption letter for foreign national(s)	33 CFR 141.15(c) ⁽¹⁾ & .20(f) ⁽¹⁾ NVIC 07-84 ⁽¹⁾	N/A	

Verifying Officer Guidance: *Trainee shall demonstrate a working knowledge of mariner credential's, their purpose and how to use the information contained therein. The trainee shall demonstrate a working knowledge of flag state endorsements for U.S. mariners as well as the regulations/requirements for officers serving in the capacity of lifeboatmen. Note: IAW G-MSO-1 letter dated 4 NOV 1996 the USCG recognizes that STCW does not apply to seafarers serving aboard non-self-propelled vessels (certain types of MODUs), however the trainee should verify any endorsements required for Lifeboatmen and/or other seafarers that may be required to operate lifeboats/rescue boats. Trainee is to also have a working knowledge of the differences between letters of determination, exemption letters and letters of non-applicability.*

⁽¹⁾U.S. MODUs only.



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

Mobile Offshore Drilling Unit Inspector (MUI)**MODU COC****Certificates and Documents (CD)****Foreign-Flagged MODUs**

Task: MUI-CD04 Examine Crew Certificates of Competency and Proficiency for Foreign-Flagged MODUs

Condition: While validating certificates and documents, after giving consideration to the different options of design, equipment, and operating standards that MODUs may comply with

Standard: In accordance with current laws, regulations, policies, procedures and processes

- References:**
1. Title 33, Code of Federal Regulations Part 141 OCS - Personnel
 2. Title 46, Code of Federal Regulations Part 10 Merchant Mariner Credential
 3. International Convention on Standards of Training, Certification & Watchkeeping (STCW) 1978, as amended
 4. Code for the Construction and Equipment of Mobile Offshore Drilling Units (MODU), 2009
 5. IMO MSC.1/Circ.738 Rev.1 Guidelines for Dynamic Positioning System (DP) Operator Training
 6. NVIC 07-84 Outer Continental Shelf (OCS) Citizenship Requirements; Exemptions from
 7. IMCA M 117 Rev.2, Training and Experience of Key DP Personnel

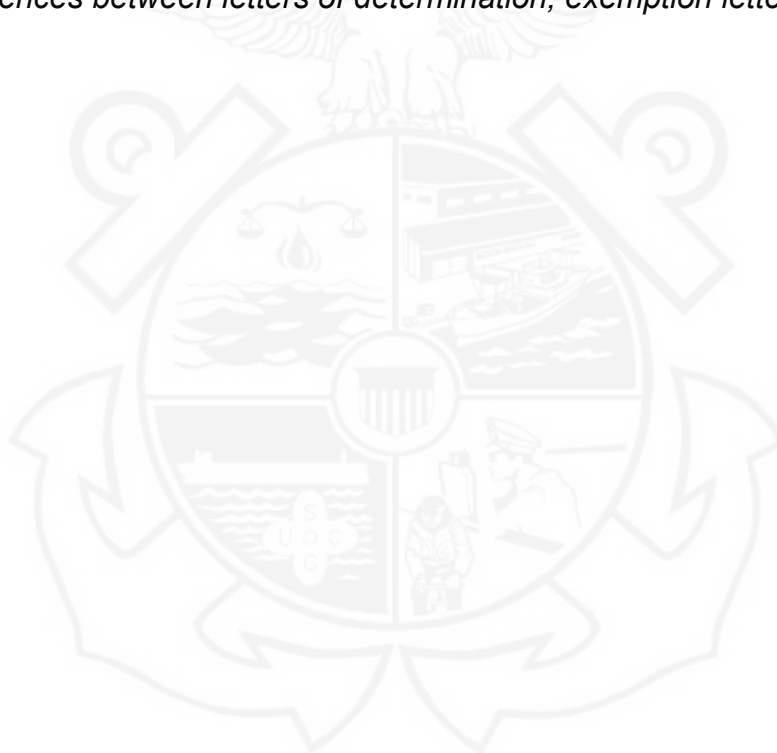
Steps		U.S./Option A References	Option C References	Initials
CD04.1	Verify original credentials are onboard and valid	STCW 2011/2.11 MSM II/G.3.A.10.c	STCW 2011/2.11 MSM II/G.3.A.10.c	
CD04.2	Verify STCW & Flag State endorsements	STCW 2011/2, 5 thru 10	STCW 2011/2, 5 thru 10	
CD04.3	Verify valid medical certificate	STCW 2011 I/9.3	STCW 2011 I/9.3	
CD04.4	Verify Transportation Worker Identification Credential (TWIC)	46 CFR 10.203(b) & (d)	46 CFR 10.203(b) & (d)	
CD04.5	Verify required number of Lifeboatmen	46 CFR 109.323	MODU Code 09/14.10.4, 10.5	

(Task MUI-CD04 continued on next page)

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

CD04.6	Verify letters of determination or exemption letter for foreign national(s)	33 CFR 141.15(c) & .20(f) NVIC 07-84	33 CFR 141.15(c) & .20(f) NVIC 07-84	
CD04.7	Verify Dynamic Positioning operator's certificate(s) is valid	N/A	MODU Code 09/4.13 IMO MSC.1/Circ.738 Rev.2 IMCA M 117 Rev.2	

Verifying Officer Guidance: *Trainee shall demonstrate a working knowledge of mariner credentials, their purpose and how to use the information contained therein. Since many MODUs also have U.S. mariners working onboard, the trainee shall demonstrate a working knowledge of flag state endorsements for U.S. mariners as well as the regulations/requirements for officers serving in the capacity of lifeboatmen. Note: IAW G-MSO-1 letter dated 4 NOV 1996 the USCG recognizes that STCW does not apply to seafarers serving aboard non-self-propelled vessels (certain types of MODUs), however the trainee should verify any endorsements required for Lifeboatmen and/or other seafarers that may be required to operate lifeboats/rescue boats. Trainee is to also have a working knowledge of the differences between letters of determination, exemption letters and letters of non-applicability.*



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

Mobile Offshore Drilling Unit Inspector (MUI)**MODU COI/COC****Certificates and Documents (CD)****All MODUs**

Task: MUI-CD05 Examine Code for the Construction and Equipment of Mobile Offshore Drilling Units Safety Certificate

Condition: While validating certificates and documents, after giving consideration to the different options of design, equipment, and operating standards that MODUs may comply with

Standard: In accordance with current laws, regulations, policies, procedures and processes

- References:**
1. Title 33, Code of Federal Regulations Part 140 General
 2. Title 46, Code of Federal Regulations Part 107 MODU Inspection & Certification
 3. Title 46, Code of Federal Regulations Part 109 MODU Operations
 4. COMDTINST M16000.7A Marine Safety Manual Volume II Material Inspection Ch-2
 5. Code for the Construction and Equipment of Mobile Offshore Drilling Units (MODU), 2009

Steps		U.S./Option A References	Option C References	Initials
CD05.1	Determine applicability	46 CFR 107.401, 405 & 409 ⁽³⁾ 46 CFR 109.563(c) MSM II/G.2.E, MODU 09/1.6.7 ⁽³⁾	33 CFR 140.101(e) MODU Code 09/1.6.7 MSM II/G.3.A.3.7 & 10.b	
CD05.2	Verify presence	MODU Code 09/1.6.7 ⁽³⁾	MODU Code 09/1.6.7	
CD05.3	Verify validity	MODU Code 09/1.6.11.8 ⁽³⁾	MODU Code 09/1.6.11.8	
CD05.4	Review exemptions	46 CFR 107.413 ⁽³⁾ MODU Code 09/1.6.8	MODU Code 09/1.6.8	

Verifying Officer Guidance: Trainee shall demonstrate a working knowledge of the information found on the various forms of MODU Safety Certificates. (such as a National MODU Code Safety Certificate, IMO MODU Code Certificate, and/or a Panama/Marshall Islands Certificate.)

⁽³⁾U.S. MODUs on international voyages only.

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

EMPLID:

Verifying Officer's Signature:

Date:

Mobile Offshore Drilling Unit Inspector (MUI)**MODU COI/COC****Logs and Manuals Examination (LM)****All MODUs****Task:** MUI-LM01 Examine logbook entries**Condition:** *While validating logs and manuals, after giving consideration to the different options of design, equipment, and operating standards that MODUs may comply with***Standard:** *In accordance with current laws, regulations, policies, procedures and processes*

- References:**
1. Title 33, Code of Federal Regulations Part 164 Navigation Safety Regulations
 2. Title 46, Code of Federal Regulations Part 109 MODU Operations
 3. International Convention for the Safety of Life at Sea (SOLAS) 1974, as amended
 4. Code for the Construction and Equipment of Mobile Offshore Drilling Units (MODU), 2009
 5. Inspection of Labour Conditions On Board Ship: Guide-lines for Procedure (ILO-147)

Steps		U.S./Option A References	Option C References	Initials
LM01.1	Verify pre-arrival/departure checks	33 CFR 164.25	33 CFR 164.25 MODU 09/11.10 SOLAS 14 V/26	
LM01.2	Verify fire and lifesaving training/drills	46 CFR 109.433(d)	MODU 09/14.16.1.2	
LM01.3	Verify lifesaving equipment deficiencies and corrective actions	46 CFR 109.213(h)(1)(iii) 46 CFR 109.433(d)	MODU 09/14.16.1.1 & .2.6	
LM01.4	Verify sanitary inspections	46 CFR 109.203 & .433(g)	ILO-147 p. 39/35	
LM01.5	Verify enclosed space entry and rescue drills	N/A	MODU 09/14.14 & 14.16.1.2	

Verifying Officer Guidance: *Trainee shall demonstrate a working knowledge of vessel log format, purpose and how to use the information contained therein to properly verify that the MODU is completing the log as required.*

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

Mobile Offshore Drilling Unit Inspector (MUI)**MODU COI/COC****Logs and Manuals Examination (LM)****All MODUs****Task:** MUI-LM02 Examine rescue boat maintenance records and service logs/reports**Condition:** While validating logs and manuals, after giving consideration to the different options of design, equipment, and operating standards that MODUs may comply with**Standard:** In accordance with current laws, regulations, policies, procedures and processes

- References:**
1. Title 46, Code of Federal Regulations Part 109 MODU Operations
 2. Code for the Construction and Equipment of Mobile Offshore Drilling Units (MODU), 2009
 3. CG-ENG Policy Letter 01-14 Lifeboat Release Mechanisms: Policy on Implementation of New SOLAS Regulation III/1.5 and Circular MSC.1/Circ.1392
 4. International Convention for the Safety of Life at Sea (SOLAS) 1974, as amended
 5. IMO MSC.1 Circ.1392 Guidelines for Evaluation & Replacement of Lifeboat Release & Retrieval Systems

Steps		U.S./Option A References	Option C References	Initials
LM02.1	Examine record of inspection and maintenance	46 CFR 109.301(b)(1)(vii)	MODU 09/10.18.2 SOLAS 14 III/36	
LM02.2	Verify weekly inspection and test	46 CFR 109.301(d)	MODU 09/10.18.7	
LM02.3	Verify monthly inspection	46 CFR 109.301(e)	MODU 09/10.18.8	
LM02.4	Verify annual inspection and tests of launching appliance(s) and on-load release gear(s)	46 CFR 109.301(f)	MODU 09/10.18.12	
LM02.5	Verify periodic servicing and tests of launching appliance(s), fall(s), winch(s) and release gear(s) overhaul	46 CFR 109.301(i) & (j)	MODU 09/10.18.5 MODU 09/10.18.12.1.3 & .2.3	
LM02.6	Verify release hook meets IMO revised regulations	CG-ENG Policy Ltr 01-14	MODU 09/10.1.4 SOLAS 14 III/1.5 MSC.1/Circ.1392	
LM02.7	Verify discrepancies on servicing reports are corrected	46 CFR 107.231(z) ⁽¹⁾	MODU 09/10.18.1	

Verifying Officer Guidance: *The Trainee shall also demonstrate a working knowledge of maintenance log nomenclature, purpose and use of information contain therein in order to properly verify maintenance is being completed.*

⁽¹⁾U.S. MODUs only.

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

Mobile Offshore Drilling Unit Inspector (MUI)**MODU COI/COC****Logs and Manuals Examination (LM)****All MODUs****Task:** MUI-LM03 Review records of emergency training and drills**Condition:** *While validating logs and manuals, after giving consideration to the different options of design, equipment, and operating standards that foreign MODUs may comply with***Standard:** *In accordance with current laws, regulations, policies, procedures and processes*

References:

1. Title 46, Code of Federal Regulations Part 109 MODU Operations
2. International Convention for the Safety of Life at Sea (SOLAS) 1974, as amended
3. Code for the Construction and Equipment of Mobile Offshore Drilling Units (MODU), 2009
4. IMO Resolution A.1079(28) Recommendations for the Training and Certification of Personnel on Mobile Offshore Units (MOUs)

Steps		U.S./Option A References	Option C References	Initials
LM03.1	Verify crew and industrial personnel participated in abandonment drill and fire drills	46 CFR 109.213(c)(2) & (h)(iv)	MODU 09/14.13.1	
LM03.2	Verify drill includes lowering of at least one lifeboat	46 CFR 109.213(d)(1)(v)	MODU 09/14.13.4.2	
LM03.3	Verify drill includes operating davits used for launching liferafts (when applicable)	46 CFR 109.213(d)(1)(vii)	MODU 09/14.13.5 ^(a)	
LM03.4	Verify different lifeboat(s) are used for each drill	46 CFR 109.213(d)(2)	MODU 09/14.13.3	
LM03.5	Verify lifeboats and rescue boats are launched and operated	46 CFR 109.213(d)(3) & (4)	MODU 09/14.13.5 SOLAS 14 III/19.3.3 & .6.4	
LM03.6	Examine training records for davit-launched liferaft (if applicable)	46 CFR 109.213(g)(5)	MODU 09/14.15 Resolution A.1079(28)	
LM03.7	Verify crew participated in enclosed space drills	N/A	MODU 09/14.14.1	

Verifying Officer Guidance: *Trainee shall demonstrate a working knowledge of the requirements for training and drills and explain how to assess crew competency in order to properly verify that training and drills are being completed in a competent and effective manner.*

^(a)2009 MODU Code 09/13.5 for davit launched life rafts goes into effect 01Jan2020 IAW IMO MSC.1/Circ.435(98).

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

Mobile Offshore Drilling Unit Inspector (MUI)**MODU COI/COC****Logs and Manuals Examination (LM)****All MODUs****Task:** MUI-LM04 Examine liferaft maintenance records and service logs/reports**Condition:** While validating logs and manuals, after giving consideration to the different options of design, equipment, and operating standards that MODUs may comply with**Standard:** In accordance with current laws, regulations, policies, procedures and processes

References:

1. Title 46, Code of Federal Regulations Part 107 MODU Inspection & Certification
2. Title 46, Code of Federal Regulations Part 109 MODU Operations
3. Title 46 Code of Federal Regulations Part 160 Lifesaving Equipment
4. International Convention for the Safety of Life at Sea (SOLAS) 1974, as amended
5. Code for the Construction and Equipment of Mobile Offshore Drilling Units (MODU), 2009

Steps		U.S./Option A References	Option C References	Initials
LM04.1	Examine log for record of inspections and maintenance	46 CFR 109.301(b)(1)(vii)	MODU 09/10.18.2 SOLAS 14 III/36	
LM04.2	Examine annual certificate	46 CFR 109.301(g)(3) 46 CFR 160.151-57(p)	MODU 09/10.18.9 MODU 09/14.16.2.6	
LM04.3	Verify periodic examination of launching appliances and dynamic testing of winch(s) (if applicable)	46 CFR 109.301(b)(1)(vii) 46 CFR 109.301(i)	MODU 09/14.16.2.6 MODU 09/10.18.12.1	
LM04.4	Verify maintenance of falls (if applicable)	46 CFR 109.301(b)(1)(vii) 46 CFR 109.301(j)	MODU 09/14.16.2.6 MODU 09/10.18.5	
LM04.5	Verify examination and operational test of release hook(s) (if applicable)	N/A	MODU 09/14.16.2.6 MODU 09/10.18.12.3	
LM04.6	Verify discrepancies on servicing reports are corrected	46 CFR 107.231(z) ⁽¹⁾	MODU 09/9.19.1 MODU 09/10.18.1	

Verifying Officer Guidance: Trainee should know and understand the importance of liferaft maintenance including how to properly review and confirm the validity of a third-party servicing report. It is also very important to confirm that any liferaft weight test has been conducted properly particularly when davit launched liferafts are being used onboard the MODU.

⁽¹⁾U.S. MODUs only.

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

EMPLID:
Verifying Officer's Signature:
Date:

Mobile Offshore Drilling Unit Inspector (MUI)**MODU COI/COC****Logs and Manuals Examination (LM)****All MODUs****Task:** MUI-LM05 Examine lifeboat maintenance records and service logs/reports**Condition:** While validating logs and manuals, after giving consideration to the different options of design, equipment, and operating standards that MODUs may comply with**Standard:** In accordance with current laws, regulations, policies, procedures and processes

- References:**
1. Title 46, Code of Federal Regulations Part 109 MODU Operations
 2. Code for the Construction and Equipment of Mobile Offshore Drilling Units (MODU), 2009
 3. International Convention for the Safety of Life at Sea (SOLAS) 1974, as amended
 4. IMO MSC.1/Circ.1392 Guidelines for Evaluation and Replacement of Lifeboat Release and Retrieval Systems
 5. CG-ENG Policy Letter 01-14 Lifeboat Release Mechanisms: Policy on Implementation of New SOLAS Regulation III/1.5 and Circular MSC.1/Circ.1392

Steps		U.S./Option A References	Option C References	Initials
LM05.1	Examine record of inspection and maintenance	46 CFR 109.301(b)(1)(vii)	MODU 09/10.18.2 SOLAS 14 III/36	
LM05.2	Verify weekly inspection and test	46 CFR 109.301(d)	MODU 09/10.18.7 MODU 09/14.16.2.6	
LM05.3	Verify monthly inspection	46 CFR 109.301(e)	MODU 09/10.18.8 MODU 09/14.16.2.6	
LM05.4	Verify annual inspection and tests of launching appliance(s) and on-load release gear(s)	46 CFR 109.301(b)(1)(vii) 46 CFR 109.301(f)	MODU 09/10.18.12.1.3 & .2.3 MODU 09/14.16.2.6	
LM05.5	Verify periodic overhaul of release gear and tests of launching appliance(s), fall(s) and winch(es)	46 CFR 109.301(i) & (j)	MODU 09/10.18.5 MODU 09/10.12.1 & .2	
LM05.6	Verify release hook meets IMO revised regulations	CG-ENG Policy Ltr 01-14	MODU 09/10.1.4 SOLAS 14 III/1.5 MSC.1/Circ.1392	
LM05.7	Verify discrepancies on servicing reports are corrected	46 CFR 107.231(z) ⁽¹⁾	MODU 09/10.18.1	

Verifying Officer Guidance: Trainee should know and understand the importance of lifeboat maintenance including how to properly review and confirm the validity of a third-party servicing report. It is also very important to confirm that any weight test has been conducted properly including using proper weights. [See LS06].

⁽¹⁾U.S. MODUs only.

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

Mobile Offshore Drilling Unit Inspector (MUI)**MODU COI/COC****Logs and Manuals Examination (LM)****All MODUs**

Task: MUI-LM06 Examine fire-fighting equipment maintenance and service logs/reports

Condition: *While validating logs and manuals, after giving consideration to the different options of design, equipment, and operating standards that MODUs may comply with*

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

- References:**
1. Title 46, Code of Federal Regulations Part 107 MODU Inspection & Certification
 2. Title 46, Code of Federal Regulations Part 109 MODU Operations
 3. Code for the Construction and Equipment of Mobile Offshore Drilling Units (MODU), 2009
 4. IMO MSC.1/Circ.1432 Revised Guidelines for the Maintenance and Inspection of Fire Protection Systems & Appliances
 5. NFPA 10 Standard for Portable Fire Extinguishers, 2010

Steps		U.S./Option A References	Option C References	Initials
LM06.1	Examine record of inspection and maintenance	46 CFR 107.235(a) ⁽¹⁾ NFPA 10/7.2.4, 7.3.3 & 7.4.5 46 CFR 109.435	MODU 09/14.16.2.5 MODU 09/9.19.4.1 IMO Circ.1432	
LM06.2	Verify maintenance plan is onboard and applicable	N/A	MODU 09/9.19.4.2	
LM06.3	Verify maintenance plan includes systems and appliances	N/A	MODU 09/9.19.4.3	
LM06.4	Verify inspection and servicing IAW applicable standards or manufacturer's instructions	46 CFR 107.235(a) ⁽¹⁾ NFPA 10/4.3 46 CFR 109.223	MODU 09/9.19.4.1 IMO MSC.1/Circ. 1432	
LM06.5	Verify discrepancies on servicing reports are corrected	46 CFR 107.231(z) ⁽¹⁾	MODU 09/9.19.1 MODU 09/14.16.2.5	

Verifying Officer Guidance: *Trainee should know and understand the importance of fire-fighting equipment maintenance including how to properly review and confirm the validity of a third-party servicing report. It is also very important to confirm that all equipment has been properly reinstalled after any examination, testing and/or repairs. Note that IMO MSC.1/Circ.1432 was superseded by IMO MSC.1/Circ.850 which was further amended by MSC.1/Circ.1516.*

⁽¹⁾U.S. MODUs only.

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

Mobile Offshore Drilling Unit Inspector (MUI)**MODU COI/COC****Logs and Manuals Examination (LM)****All MODUs**

Task: MUI-LM07 Examine fire detection system maintenance and service logs/reports

Condition: *While validating logs and manuals, after giving consideration to the different options of design, equipment, and operating standards that MODUs may comply with*

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

References:

1. Title 46, Code of Federal Regulations Part 107 MODU Inspection & Certification
2. Code for the Construction and Equipment of Mobile Offshore Drilling Units (MODU), 2009
3. IMO MSC.1/Circ.1432 Revised Guidelines for the Maintenance and Inspection of Fire Protection Systems & Appliances

Steps		U.S./Option A References	Option C References	Initials
LM07.1	Examine record of inspection and maintenance	N/A	MODU 09/9.19.4.1 & 16.2.5 MODU 09/9.19.4.2	
LM07.2	Verify maintenance plan is onboard and applicable	N/A	MODU 09/9.19.4.2	
LM07.3	Verify maintenance plan includes systems	N/A	MODU 09/9.19.4	
LM07.4	Verify annual inspection and servicing IAW with manufacturer's instructions	46 CFR 107.231(z) ⁽¹⁾	MODU 09/9.19.4.1 IMO MSC.1/Circ.1432	
LM07.5	Verify discrepancies on servicing reports are corrected	46 CFR 107.231(z) ⁽¹⁾	MODU 09/9.19.1 MODU 09/14.16.2.5	

Verifying Officer Guidance: *Trainee should know and understand the importance of fire fighting equipment maintenance including how to properly review and confirm the validity of a third-party servicing report. It is also very important to confirm that all equipment has been properly reinstalled after any examination, testing and/or repairs.*

⁽¹⁾U.S. MODUs only.

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

EMPLID:

Verifying Officer's Signature:

Date:

Mobile Offshore Drilling Unit Inspector (MUI)**MODU COI/COC****Logs and Manuals Examination (LM)****All MODUs****Task:** MUI-LM08 Examine gas detection maintenance and service logs/reports**Condition:** *While validating logs and manuals, after giving consideration to the different options of design, equipment, and operating standards that MODUs may comply with***Standard:** *In accordance with current laws, regulations, policies, procedures and processes*

References:

1. Title 46, Code of Federal Regulations Part 107 MODU Inspection & Certification
2. Code for the Construction and Equipment of Mobile Offshore Drilling Units (MODU), 2009
3. Gas Detection System Operation Manual

Steps		U.S./Option A References	Option C References	Initials
LM08.1	Examine record of inspection and maintenance	N/A	MODU 09/9.19.4.1 MODU 09/14.16.2.5	
LM08.2	Verify maintenance plan is onboard and applicable	N/A	MODU 09/9.19.4.2	
LM08.3	Verify maintenance plan includes systems	N/A	MODU 09/9.19.4.3 thru .13	
LM08.4	Witness a satisfactory calibration of system(s)	N/A	MODU 09/9.19.1.1 Operations Manual	
LM08.5	Verify discrepancies on servicing reports are corrected	46 CFR 107.231(z) ⁽¹⁾	MODU 09/9.19.1 MODU 09/14.16.2.5	

Verifying Officer Guidance: *Trainee should know and understand the importance of gas detection equipment maintenance including how to properly review and confirm the validity of a third-party servicing report. They should also confirm that all equipment has been properly reinstalled after any examination, testing and/or repairs. Trainee should also have a working knowledge of the different types of gas detection systems and how they are tested.*

⁽¹⁾U.S. MODUs only.

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

EMPLID:

Verifying Officer's Signature:

Date:

Mobile Offshore Drilling Unit Inspector (MUI)**MODU COI/COC****Logs and Manuals Examination (LM)****All MODUs****Task:** MUI-LM09 Examine crane maintenance and service logs/reports**Condition:** *While validating logs and manuals, after giving consideration to the different options of design, equipment, and operating standards that MODUs may comply with***Standard:** *In accordance with current laws, regulations, policies, procedures and processes*

References:

1. Title 46, Code of Federal Regulations Part 108 MODU Design & Equipment
2. Title 46, Code of Federal Regulations Part 109 MODU Operations
3. American Petroleum Institute (API) Specification for Offshore Pedestal Mounted Cranes 2C
4. American Petroleum Institute (API) Recommended Practice (RP) 2D
5. Code for the Construction and Equipment of Mobile Offshore Drilling Units, 2009

Steps		U.S./Option A References	Option C References	Initials
LM09.1	Verify installation is approved	46 CFR 108.601(a) API Spec 2C/3.2	MODU 09/12.1.1	
LM09.2	Verify initial load test	46 CFR 109.521 API RP 2D/3.2.1	MODU 09/12.1.5	
LM09.3	Verify required inspection(s)	46 CFR 109.437 & .521 API RP 2D/3.1.1.c	MODU 09/12.1.6	
LM09.4	Verify each rated load test and recertifications	46 CFR 109.437(c) &.521 API RP 2D/3.2.2(a) thru (c)	N/A	
LM09.5	Verify if de-rated and load rating chart has been revised (when applicable)	46 CFR 109.521 API RP 2D/3.2(d) thru (e)	MODU 09/12.1.4	
LM09.6	Verify maintenance manual(s) is available	46 CFR 109.521 API RP 2D/3.3.1	MODU 09/12.1.10	
LM09.7	Verify crane operators are designated in writing and qualified	46 CFR 109.527(a)	46 CFR 109.527(a)	
LM09.8	Verify discrepancies on servicing reports are corrected	46 CFR 109.437 & .521 API RP 2D/3.33.c	MODU 09/12.1.6	

Verifying Officer Guidance: *Trainee should know and understand the importance of crane maintenance including how to properly review and confirm the validity of a third-party servicing report. It is very important to confirm that all equipment has been properly reinstalled after any examination, testing and/or repairs. Trainee should have a working knowledge of how crane tests are conducted; especially overload testing. API Standards can be accessed by registering at the following API website: <http://www.api.org/publications-standards-and-statistics/government>.*

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

Mobile Offshore Drilling Unit Inspector (MUI)**MODU COI/COC****Logs and Manuals Examination (LM)****All MODUs**

Task: MUI-LM10 Examine Unfired Pressure Vessels (UPVs) and relief valves maintenance and service logs/reports

Condition: While validating logs and manuals, after giving consideration to the different options of design, equipment, and operating standards that MODUs may comply with

Standard: In accordance with current laws, regulations, policies, procedures and processes

- References:**
1. Title 46, Code of Federal Regulations Part 61 Marine Engineering - Periodic Tests & Inspections
 2. Title 46, Code of Federal Regulations Part 107 MODU Inspection & Certification
 3. Title 46, Code of Federal Regulations Part 109 MODU Operations
 4. Code for the Construction and Equipment of Mobile Offshore Drilling Units (MODU), 2009
 5. COMDTINST M16000.7B Marine Safety Manual Volume II Material Inspection Ch-2

Steps		U.S./Option A References	Option C References	Initials
LM10.1	Verify required UPV tests conducted	46 CFR 61.10-1 & -5 MSM II/G.3.G.4 ⁽²⁾	46 CFR 61.10-1 & -5 MSM II/G.3.G.4	
LM10.2	Verify UPV tests (when applicable)	46 CFR 61.10-5 MSM II/G.3.G.4 ⁽²⁾	46 CFR 61.10-5 MSM II/G.3.G.4	
LM10.3	Verify UPV five year internal inspection (when applicable)	46 CFR 61.10-5(b)(2) MSM II/G.3.G.4 ⁽²⁾	46 CFR 61.10-5(b) MODU 09/4.3.1 & .2 MSM II/G.3.G.4	
LM10.4	Verify pressure relief valve (PRV) testing	46 CFR 61.10-5(i) MSM II/G.3.G.4 ⁽²⁾	46 CFR 61.10-5(i) MSM II/G.3.G.4	
LM10.5	Verify discrepancies on servicing report(s) is corrected	46 CFR 107.231(z) ⁽¹⁾ 46 CFR 109.421	N/A	

Verifying Officer Guidance: Trainee shall demonstrate a basic working knowledge of the components of a pressure vessel, different types that exist on a MODU and which UPVs fall under BSEE authority. Trainee shall also demonstrate a working knowledge of when ultra-sonic testing is acceptable and how to track any repairs completed, as well as how to review ultra-sonic testing reports (e.g. Form U-1A⁽¹⁾, referenced drawing & corrosion allowances to compare to the ultra-sonic report).

⁽¹⁾U.S. MODUs only. ⁽²⁾Option "A" MODUs only.

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

EMPLID:

Verifying Officer's Signature:

Date:

Mobile Offshore Drilling Unit Inspector (MUI)**MODU COI/COC****Logs and Manuals Examination (LM)****All MODUs****Task: MUI-LM11 Examine Marine Operating Manual (MOM)**

Condition: *While validating logs and manuals, after giving consideration to the different options of design, equipment, and operating standards that MODUs may comply with*

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

- References:**
1. Title 46, Code of Federal Regulations Part 107 MODU Inspection & Certification
 2. Title 46, Code of Federal Regulations Part 109 MODU Operations
 3. Code for the Construction and Equipment of Mobile Offshore Drilling Units (MODU), 2009
 4. COMDTINST M16000.7B Marine Safety Manual Volume II Material Inspection Ch-2

Steps		U.S./Option A References	Option C References	Initials
LM11.1	Verify approval	46 CFR 107.305(ii) ⁽¹⁾ MSM II/G.3.F ⁽²⁾	MODU 09/14.1.1 MSM II/G.3.F	
LM11.2	Verify hazardous locations are identified	46 CFR 109.121(b)(23) ⁽¹⁾	MODU 09/14.1.2.15	
LM11.3	Verify manual addresses normal and emergency activities	46 CFR 109.121(b)	MODU 09/14.1.3 & .4	
LM11.4	Verify contents are in English and other language(s) understood by personnel on board	N/A ⁽¹⁾ MSM II/G.3.F ⁽²⁾	MODU 09/14.1.6 MSM II/G.3.F	
LM11.5	Verify stability calculations contained in manual are approved (stamp/letter)	46 CFR 109.121 & .563(b)	MODU 09/14.1.2.9 thru .12 MSM II/G.3.E	
LM11.6	Verify changes affecting lightship data are maintained in lightship data alterations log	46 CFR 109.121(b)(5) & .227	MODU 09/3.1 MODU 09/14.1.2.9 & 1.3.2	
LM11.7	Examine alternative stability criteria accepted by Flag State (when applicable)	N/A	MODU 09/3.3.3 MSM II/G.3.E	
LM11.8	Verify Dynamic Positioning operational requirements	N/A	MODU 09/14.1.3.13	

Verifying Officer Guidance: *Trainee should know and understand the Manual's purpose, format and contents. During the exam, it is important to verify that the crew is very familiar with the manual and uses it. IMO MSC.1/Circ.645 applies to MODUs built between 01 July 1994 and 08 June 2017, while IMO MSC.1/Circ.1580 applies to MODUs built from 09 June 2017 and later.*

⁽¹⁾U.S. MODUs only. ⁽²⁾Option "A" MODUs only.

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

Mobile Offshore Drilling Unit Inspector (MUI)**MODU COI/COC****Logs and Manuals Examination (LM)****All MODUs****Task:** MUI-LM12 Examine Emergency Evacuation Plan (EEP)**Condition:** *While validating logs and manuals, after giving consideration to the different options of design, equipment, and operating standards that MODUs may comply with***Standard:** *In accordance with current laws, regulations, policies, procedures and processes***References:** 1. Title 33, Code of Federal Regulations Part 146 OCS - Operations
2. COMDTINST M16000.7B Marine Safety Manual Volume II Material Inspection Ch-2

Steps		U.S./Option A References	Option C References	Initials
LM12.1	Determine applicability	33 CFR 146.201 & .210	33 CFR 146.201 & .210	
LM12.2	Verify approval letter is on board	33 CFR 146.210(a) & .140(b)	33 CFR 146.210(a) & .140(b)	
LM12.3	Verify content	33 CFR 146.140(d) MSM II/G.3.K	33 CFR 146.140(d) MSM II/G.3.K	
LM12.4	Verify revision pages for changes	33 CFR 146.140(d)(3)	33 CFR 146.140(d)(3)	
LM12.5	Verify EEP is applicable to unit's current location and reflects on site conditions	33 CFR 146.140(a) & (d)(11)	33 CFR 146.140(a) & (d)(11)	

Verifying Officer Guidance: *Trainee should know and understand the plan's purpose, format, contents and how to document the plan's official approval information into MISLE. During the exam, it is important to verify that the crew is very familiar with the plan and how to implement it.*

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

Mobile Offshore Drilling Unit Inspector (MUI)**MODU COI/COC****Logs and Manuals Examination (LM)****All MODUs****Task:** MUI-LM13 Examine construction portfolio (booklet)**Condition:** *While validating logs and manuals, after giving consideration to the different options of design, equipment, and operating standards that MODUs may comply with***Standard:** *In accordance with current laws, regulations, policies, procedures and processes***References:** 1. Title 46, Code of Federal Regulations Part 107 MODU Inspection & Certification
2. Code for the Construction and Equipment of Mobile Offshore Drilling Units (MODU), 2009

Steps		U.S./Option A References	Option C References	Initials
LM13.1	Verify presence of copy	46 CFR 107.305(hh) ⁽¹⁾	MODU 09/2.13	
LM13.2	Verify approval	46 CFR 107.305(hh) ⁽¹⁾	N/A	

Verifying Officer Guidance: *Trainee should know and understand the booklet/portfolio's purpose, format, contents and how to review it. During the exam, it is very important to verify that the crew is familiar with the portfolio and if any repairs have been made that they were properly conducted IAW it.*⁽¹⁾U.S. MODUs only.**Inspector's Name:** (Last, First, Initial)**EMPLID:****Verifying Officer's Signature:****Date:**

Mobile Offshore Drilling Unit Inspector (MUI)**MODU COI/COC****Logs and Manuals Examination (LM)****All Option C MODUs w/Cargo Tanks**

Task: MUI-LM14 Examine Oil Record Book (ORB) Part II (when applicable)

Condition: *While validating logs and manuals, after giving consideration to the different options of design, equipment, and operating standards that MODUs may comply with*

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

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

Steps		U.S./Option A References	Option C References	Initials
LM14.1	Determine applicability	N/A ⁽⁴⁾	MARPOL I/36	
LM14.2	Verify operation entries	N/A ⁽⁴⁾	MARPOL I/36.2	
LM14.3	Verify each completed operation and page is signed	N/A ⁽⁴⁾	MARPOL I/36.5	
LM14.4	Verify entries for any failures of oil discharge monitoring system	N/A ⁽⁴⁾	MARPOL I/36.6	

Verifying Officer Guidance: *Trainee should demonstrate a working knowledge of the ORB's purpose, format, contents and how to review it; including how it relates to tanks associated with the onboard drilling equipment (such as well testing equipment).*

⁽⁴⁾No U.S. or Option "A" MODUs are currently outfitted with cargo tank arrangements that would require ORB Part II.

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

EMPLID:

Verifying Officer's Signature:

Date:

Mobile Offshore Drilling Unit Inspector (MUI)**MODU COI/COC****Bridge/Navigation Examination (BN)****All Self-Propelled MODUs**

Task: MUI-BN01 Inspect/examine propulsion and operational mode indicators

Condition: *During bridge and navigation examination, after giving consideration to the different options of design, equipment, and operating standards that MODUs may comply with*

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

References: 1. Code for the Construction and Equipment of Mobile Offshore Drilling Units (MODU), 2009

Steps		U.S./Option A References	Option C References	Initials
BN01.1	Verify propeller indicator(s)	See note below ⁽⁵⁾	MODU 09/7.4.2.8	
BN01.2	Verify control station indicator(s)	See note below ⁽⁵⁾	MODU 09/7.4.2.5	

Verifying Officer Guidance: *Trainee shall understand how SOLAS and 33 CFR Subchapter P (PWSA) applies to this equipment to include demonstrating a working knowledge of the equipment's nomenclature, function(s) and operation. Trainee shall understand that PSCE-BN04 may also apply to a MODU inspected under the provisions of this task.*

⁽⁵⁾Only one U.S. MODU currently is self-propelled and that MODU is enrolled in ACP. A U.S. MODU that is self-propelled will normally carry a MODU Safety Certificate and relevant SOLAS certificates, attesting to compliance with the MODU Code and SOLAS, in which case the Option "C" requirements and applicable Classification Society Rules would be followed. Option "A" MODUs are typically self-elavated units.

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

EMPLID:

Verifying Officer's Signature:

Date:

Mobile Offshore Drilling Unit Inspector (MUI)**MODU COI/COC****Bridge/Navigation Examination (BN)****All MODUs****Task:** MUI-BN02 Verify operation of communication equipment**Condition:** *During bridge and navigation examination, after giving consideration to the different options of design, equipment, and operating standards that MODUs may comply with***Standard:** *In accordance with current laws, regulations, policies, procedures and processes*

References:

1. Title 33, Code of Federal Regulations Part 146 OCS - Operations
2. International Convention for the Safety of Life at Sea (SOLAS) 1974, as amended
3. Code for the Construction and Equipment of Mobile Offshore Drilling Units (MODU), 2009

Steps		U.S./Option A References	Option C References	Initials
BN02.1	Verify helicopter communication	N/A	MODU 09/11.6	
BN02.2	Verify radio equipment compliance with SOLAS (when engaged in drilling operations)	N/A	MODU 09/11.5 SOLAS 14 IV/7 thru 11	
BN02.3	Verify communications equipment listed in the EEP	33 CFR 146.140 & .210(a)	33 CFR 146.140 & .210(a)	

Verifying Officer Guidance: *Trainee shall demonstrate a working knowledge of the applicability and overlaps between the MODU Code and SOLAS as they relate to this equipment. Trainee shall understand that this equipment is in addition to applicable equipment covered under the PCSE BN tasks.*

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

Mobile Offshore Drilling Unit Inspector (MUI)**MODU COI/COC****Bridge/Navigation Examination (BN)****All Self-Propelled MODUs**

Task: MUI-BN03 Examine sound reception system on totally enclosed bridge

Condition: *During bridge and navigation examination, after giving consideration to the different options of design, equipment, and operating standards that MODUs may comply with*

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

References:

1. International Convention for the Safety of Life at Sea (SOLAS) 1974, as amended
2. Code for the Construction and Equipment of Mobile Offshore Drilling Units (MODU), 2009

Steps		U.S./Option A References	Option C References	Initials
BN03.1	Determine applicability	See note below ⁽⁵⁾	MODU 09/11.10.1 SOLAS 09 V/19.2.1.8	
BN03.2	Witness operation	See note below ⁽⁵⁾	SOLAS 14 V/19.2.1.8	

Verifying Officer Guidance: *Trainee shall demonstrate a working knowledge of when a sound reception system is required and explain the system's purpose.*

⁽⁵⁾Only one U.S. MODU currently is self-propelled and that MODU is enrolled in ACP. A U.S. MODU that is self-propelled will normally carry a MODU Safety Certificate and relevant SOLAS certificates, attesting to compliance with the MODU Code and SOLAS, in which case the Option "C" requirements and applicable Classification Society Rules would be followed. Option "A" MODUs are typically self elevated units.

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

EMPLID:

Verifying Officer's Signature:

Date:

Mobile Offshore Drilling Unit Inspector (MUI)**MODU COI/COC****Bridge/Navigation Examination (BN)****All Self-Propelled MODUs****Task:** MUI-BN04 Witness operational test of steering gear**Condition:** *During bridge equipment examination, after giving consideration to the different options of design, equipment, and operating standards that MODUs may comply with***Standard:** *In accordance with current laws, regulations, policies, procedures and processes***References:** 1. Code for the Construction and Equipment of Mobile Offshore Drilling Units (MODU), 2009

Steps		U.S./Option A References	Option C References	Initials
BN04.1	Witness operational test of steering gear controls	See note below ⁽⁵⁾	MODU 09/1.6.2.2 MODU 09/7.5.3 & .10	
BN04.2	Verify rudder angle indicator accuracy	See note below ⁽⁵⁾	MODU 09/7.5.15	
BN04.3	Verify motor overload and phase failure audible and visual alarms	See note below ⁽⁵⁾	MODU 09/7.6.3	

Verifying Officer Guidance: *Trainee shall understand how SOLAS and 33 CFR Subchapter P (PWSA) applies to this equipment to include demonstrating a working knowledge of the equipment's nomenclature, function(s) and operation. Trainee shall understand how this equipment on a MODU is typically integrated into the DP system while on location and proper precautions to observe when attempting to verify while on location on DP.*

⁽⁵⁾Only one U.S. MODU currently is self-propelled and that MODU is enrolled in ACP. A U.S. MODU that is self-propelled will normally carry a MODU Safety Certificate and relevant SOLAS certificates, attesting to compliance with the MODU Code and SOLAS, in which case the Option "C" requirements and applicable Classification Society Rules would be followed. Option "A" MODUs are typically self elevated units.

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

Mobile Offshore Drilling Unit Inspector (MUI)**MODU COI/COC****Bridge/Navigation Examination (BN)****All MODUs****Task:** MUI-BN05 Inspect/examine internal communications**Condition:** *During bridge and navigation examination, after giving consideration to the different options of design, equipment, and operating standards that MODUs may comply with***Standard:** *In accordance with current laws, regulations, policies, procedures and processes*

References:

1. Title 46, Code of Federal Regulations Part 113 Communication & Alarm Systems & Equipment
2. Code for the Construction and Equipment of Mobile Offshore Drilling Units (MODU), 2009

Steps		U.S./Option A References	Option C References	Initials
BN05.1	Verify means of communication with control room(s)	46 CFR 113.30-3 & -5(i) ⁽¹⁾	MODU 09/11.7 MODU 09/7.7	
BN05.2	Verify means of communication with steering gear compartment, self-propelled units only	46 CFR 113.30-3 & -5 ⁽¹⁾	MODU 09/7.5.14	
BN05.3	Verify internal means of communication with necessary spaces	46 CFR 113.30-3 & -5 ⁽¹⁾ 46 CFR 113.25-5 & .50-5 ⁽¹⁾	MODU 09/5.7.5	

Verifying Officer Guidance: *Trainee shall demonstrate a working knowledge of the applicability and overlaps between the MODU Code and SOLAS as they relate to this equipment.*

⁽¹⁾U.S. MODUs only.

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

EMPLID:

Verifying Officer's Signature:

Date:

Mobile Offshore Drilling Unit Inspector (MUI)**MODU COI/COC****Bridge/Navigation Examination (BN)****All Self-Propelled MODUs****Task:** MUI-BN06 Inspect/examine anchor(s) and chain**Condition:** *While conducting a deck walk, after giving consideration to the different options of design, equipment, and operating standards that MODUs may comply with***Standard:** *In accordance with current laws, regulations, policies, procedures and processes*

- References:**
1. Title 46, Code of Federal Regulations Part 108 MODU Design & Equipment
 2. Code for the Construction and Equipment of Mobile Offshore Drilling Units (MODU), 2009
 3. Inspection of Labour Conditions On-Board Ship: Guide-lines for Procedure (ILO-147)
 4. Classification Society Rules

Steps		U.S./Option A References	Option C References	Initials
BN06.1	Verify anchoring arrangements	46 CFR 108.705 Class Society Rules (ABS)	MODU 09/4.12 ILO -147 3(g) Class Society Rules	
BN06.2	Verify condition of visible anchor chain	46 CFR 108.705 Class Society Rules (ABS)	MODU 09/4.12 ILO -147 3(g)	

Verifying Officer Guidance: *Trainee shall demonstrate a working knowledge of the equipment's components, function(s), operation and importance of proper securing/storage. Trainee should also be able to clearly state why it is important for the crew to properly maintain the system and that they understand how to use it.*

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

Mobile Offshore Drilling Unit Inspector (MUI)**MODU COI/COC****Bridge/Navigation Examination (BN)****All MODUs****Task:** MUI-BN07 Inspect/examine hull for required markings**Condition:** *During inbound flight examine hull markings, after giving consideration to the different options of design, equipment, and operating standards that MODUs may comply with***Standard:** *In accordance with current laws, regulations, policies, procedures and processes*

- References:**
1. Title 46, Code of Federal Regulations Part 42 Load Lines - Domestic & Foreign Voyages by Sea
 2. Title 46, Code of Federal Regulations Part 67 Documentation of Vessels
 3. Title 46, Code of Federal Regulations Part 108 MODU Design & Equipment
 4. International Convention for the Safety of Life at Sea (SOLAS) 1974, as amended
 5. Code for the Construction and Equipment of Mobile Offshore Drilling Units (MODU), 2009
 6. International Convention on Load Lines (ICLL) 1966, as amended
 7. COMDTINST M16000.7B Marine Safety Manual Volume II Material Inspection Ch-2

Steps		U.S./Option A References	Option C References	Initials
BN07.1	Verify Load Line is permanently marked	46 CFR 108.663 46 CFR 42.13-25 46 CFR 42.13-30 & 13-40	MODU 09/3.7.1 ICLL 5-9 MSM II/G.3.A.4	
BN07.2	Verify presence of deck line	46 CFR 108.663 46 CFR 42.13-20	ICLL 4	
BN07.3	Verify official or IMO number	46 CFR 108.657 46 CFR 67.121	SOLAS 14 XI-1/3	
BN07.4	Verify draught (draft) marks	46 CFR 108.661	SOLAS 14 II-1/5.6	

Verifying Officer Guidance: *Trainee shall demonstrate a working knowledge of load-line requirements. Verification may be accomplished by helicopter and any visible parts of the hull seen during the deck walk.*

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

Mobile Offshore Drilling Unit Inspector (MUI)**MODU COI/COC****Bridge/Navigation Examination (BN)****All MODUs**

Task: MUI-BN08 Inspect/examine hull, anchors and anchor chain for compliance with the Non-Indigenous Aquatic Nuisance Species Act

Condition: While conducting a deck walk, after giving consideration to the different options of design, equipment, and operating standards that MODUs may comply with

Standard: In accordance with current laws, regulations, policies, procedures and processes

References:

1. Title 33, Code of Federal Regulations Part 151 Vessels Carrying Oil, NLS, Garbage, Municipal or Commercial Waste & Ballast Water
2. Code for the Construction and Equipment of Mobile Offshore Drilling Units (MODU), 2009
3. International Convention on the Control of Harmful Anti-Fouling Systems on Ships (AFS), 2001

Steps		U.S./Option A References	Option C References	Initials
BN08.1	Verify hull/anchor is free of organisms and sediment	33 CFR 151.2050(e)	MODU 09/2.11 AFS Convention	
BN08.2	Evaluate condition of hull anti-fouling coating	33 CFR 151.2050(f)	MODU 09/2.11 AFS Convention	

Verifying Officer Guidance: Trainee shall demonstrate a working knowledge of the Anti-Fouling Convention's requirements. Verification may be accomplished by helicopter and any visible parts of the hull seen during the deck walk. In addition, all hull cleaning activities should be properly documented and kept with the unit's Anti-Fouling Certificates.

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

EMPLID:

Verifying Officer's Signature:

Date:

Mobile Offshore Drilling Unit Inspector (MUI)**MODU COI/COC****General Health & Safety Examination (GH)****All MODUs****Task:** MUI-GH01 Inspect/examine accommodations**Condition:** *During general health and safety examination, after giving consideration to the different options of design, equipment, and operating standards that MODUs may comply with***Standard:** *In accordance with current laws, regulations, policies, procedures and processes*

- References:**
1. Title 33, Code of Federal Regulations Part 146 OCS - Operations
 2. Title 46, Code of Federal Regulations Part 108 MODU Design & Equipment
 3. Title 46, Code of Federal Regulations Part 109 MODU Operations
 4. COMDTINST M16000.7B Marine Safety Manual Volume II Material Inspection Ch-2
 5. Code for the Construction and Equipment of Mobile Offshore Drilling Units, 2009
 6. Inspection of Labour Conditions On Board Ship: Guide-lines for Procedure (ILO-147), 1997

Steps		U.S./Option A References	Option C References	Initials
GH01.1	Verify berth arrangement and size	46 CFR 108.199 46 CFR 108.201 & .203	ILO-147 pgs. 32 thru 35	
GH01.2	Verify means of escape	46 CFR 108.151 thru .167	MODU 09/9.4	
GH01.3	Verify ventilation	46 CFR 108.181 MSM II/B.1.N.9	ILO -147 pgs. 32 thru 35	
GH01.4	Verify segregation from adjoining spaces	46 CFR 108.193 -thru 197	ILO -147 pgs. 32 thru 35	
GH01.5	Verify wash, toilet, shower and laundry facilities	46 CFR 108.205, .211(a) & (b)	ILO -147 pgs. 36 thru 37	
GH01.6	Verify housekeeping practices	46 CFR 108.205(n) 46 CFR 109.203(a)	33 CFR 146.205(c) 46 CFR 109.203(a)	

Verifying Officer Guidance: *Trainee should be familiar with appropriate enforcement options and regulatory authority for an Option A, B or C MODU because of the limited authority in the Ports and Waterways Safety Act and taking into consideration that the U.S. is not signatory to Maritime Labour Convention (MLC) 2006, although the flag of the MODU may be signatory.*

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

Mobile Offshore Drilling Unit Inspector (MUI)**MODU COI/COC****General Health & Safety Examination (GH)****All MODUs****Task:** MUI-GH02 Inspect/examine galley**Condition:** *During general health and safety examination, after giving consideration to the different options of design, equipment, and operating standards that MODUs may comply with***Standard:** *In accordance with current laws, regulations, policies, procedures and processes*

References:

1. Title 33, Code of Federal Regulations Part 146 Operations
2. Title 46, Code of Federal Regulations Part 108 MODU Design & Equipment
3. Title 46, Code of Federal Regulations Part 109 MODU Operations
4. COMDTINST M16000.7B Marine Safety Manual Volume II Material Inspection Ch-2
5. Code for the Construction and Equipment of Mobile Offshore Drilling Units (MODU), 2009

Steps		U.S./Option A References	Option C References	Initials
GH02.1	Verify sanitary conditions	46 CFR 109.203(a)	33 CFR 146.205(c) 46 CFR 109.203(a)	
GH02.2	Verify condition of vents and ducts	46 CFR 108.123 NVIC 9-97, CH-1, Encl (1) 5.2 MSM II/B.1.N.9	MODU 09/9.3.15 thru .21	
GH02.3	Witness function of galley serving window closures and doors	46 CFR 108.135	MODU 09/9.2.9 & .10	
GH02.4	Verify galley/adjacent spaces meet structural fire protection requirements	46 CFR 108.135 & .137	MODU 09/Tables 9-1 & 9-2	

Verifying Officer Guidance: *Trainee should be familiar with appropriate enforcement options and regulatory authority for an Option A, B or C MODU because of the limited authority in the Ports and Waterways Safety Act and taking into consideration that the U.S. is not signatory to Maritime Labour Convention (MLC) 2006, although the flag of the MODU may be signatory.*

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

Mobile Offshore Drilling Unit Inspector (MUI)**MODU COI/COC****General Health & Safety Examination (GH)****All MODUs****Task:** MUI-GH03 Inspect/examine personal protective equipment and procedures**Condition:** *During general health and safety examination, after giving consideration to the different options of design, equipment, and operating standards that MODUs may comply with***Standard:** *In accordance with current laws, regulations, policies, procedures and processes***References:** 1. Title 33, Code of Federal Regulations Part 142 OCS - Workplace Safety & Health

Steps		U.S./Option A References	Option C References	Initials
GH03.1	Verify eye and face protection is available	33 CFR 142.27	33 CFR 142.27	
GH03.2	Verify head protection	33 CFR 142.30	33 CFR 142.30	
GH03.3	Verify foot protection	33 CFR 142.33	33 CFR 142.33	
GH03.4	Verify protective clothing	33 CFR 142.36	33 CFR 142.36	
GH03.5	Verify respiratory protection equipment available	33 CFR 142.39	33 CFR 142.39	
GH03.6	Verify safety belt or harness is available	33 CFR 142.42	33 CFR 142.42	
GH03.7	Verify personnel working in locations over water are wearing personal floatation device	33 CFR 142.45	33 CFR 142.45	
GH03.8	Verify eyewash equipment is available	33 CFR 142.48	33 CFR 142.48	
GH03.9	Verify condition of work space	33 CFR 142.84	33 CFR 142.84	
GH03.10	Verify personnel protection for openings in decks	33 CFR 142.87	33 CFR 142.87	
GH03.11	Verify lock out/tag out is being utilized	33 CFR 142.90	33 CFR 142.90	

Verifying Officer Guidance: *Trainee shall demonstrate a working knowledge of the equipment's components, function(s), approvals and operation. It is important for the trainee to understand that there may be some allowances afforded by flag state requirements.*

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

Mobile Offshore Drilling Unit Inspector (MUI)**MODU COI/COC****General Health & Safety Examination (GH)****All MODUs****Task:** MUI-GH04 Inspect/examine hospital space**Condition:** *During general health and safety examination, after giving consideration to the different options of design, equipment, and operating standards that MODUs may comply with***Standard:** *In accordance with current laws, regulations, policies, procedures and processes***References:**

1. Title 33, Code of Federal Regulations Part 146 OCS - Operations
2. Title 46, Code of Federal Regulations Part 108 MODU Design & Equipment
3. Title 46, Code of Federal Regulations Part 109 MODU Operations
4. Inspection of Labour Conditions On Board Ship: Guide-lines for Procedure (ILO-147), 1997

Steps		U.S./Option A References	Option C References	Initials
GH04.1	Verify sanitary conditions	46 CFR 109.203(a)	33 CFR 146.205(c) 46 CFR 109.203(a)	
GH04.2	Verify adequate number of berths	46 CFR 108.209(e) thru (h) 46 CFR 108.209(j)	ILO -147 pgs. 38 thru 39	
GH04.3	Verify hot and cold water	46 CFR 108.205(i) 46 CFR 108.209(i)	ILO -147 pgs. 38 thru 39	
GH04.4	Ensure excess materials not stored	46 CFR 108.209(c)	ILO -147 pgs. 38 thru 39	
GH04.5	Verify water closet and bathroom	46 CFR 108.209(i)	ILO -147 pgs. 38 thru 39	
GH04.6	Verify litter is capable of being used for type of helicopter serving installation	46 CFR 108.709	N/A	
GH04.7	Verify alternative arrangements, if utilized	46 CFR 108.210	ILO -147 pgs. 38 thru 39	

Verifying Officer Guidance: *Trainee should be familiar with appropriate enforcement options and regulatory authority for an Option A, B or C MODU because of the limited authority in the Ports and Waterways Safety Act and taking into consideration that the U.S. is not signatory to Maritime Labour Convention (MLC) 2006, although the flag of the MODU may be signatory.*

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

Mobile Offshore Drilling Unit Inspector (MUI)**MODU COI/COC****General Health & Safety Examination (GH)****All MODUs****Task:** MUI-GH05 Inspect/examine arrangements in machinery and working spaces**Condition:** *During general health and safety examination, after giving consideration to the different options of design, equipment, and operating standards that MODUs may comply with***Standard:** *In accordance with current laws, regulations, policies, procedures and processes*

References:

1. Title 33, Code of Federal Regulations Part 146 OCS - Operations
2. Title 46, Code of Federal Regulations Part 56 Piping Systems & Appurtenances
3. Title 46, Code of Federal Regulations Part 107 MODU Inspection & Certification
4. Title 46, Code of Federal Regulations Part 108 MODU Design & Equipment
5. Title 46, Code of Federal Regulations Part 109 MODU Operations
6. Title 46, Code of Federal Regulations Parts 111 & 113
7. Code for the Construction and Equipment of Mobile Offshore Drilling Units (MODU), 2009

Steps		U.S./Option A References	Option C References	Initials
GH05.1	Verify operation of ventilation closures	46 CFR 108.181(b) & (d)	MODU 09/9.15.1	
GH05.2	Verify operation of remote shutdowns	46 CFR 108.181(c) 46 CFR 107.231(a)(2) & (3) ⁽¹⁾ 46 CFR 111.103 ⁽¹⁾	MODU 09/9.15.2	
GH05.3	Verify fuel tank(s) shutoff valve operation	46 CFR 56.50-75(a) ⁽¹⁾ 46 CFR 56.50-60(d) ⁽¹⁾	MODU 09/9.15.3	
GH05.4	Verify communications	46 CFR 113.30(3) ⁽¹⁾	MODU 09/7.7	
GH05.5	Verify clean and sanitary condition	46 CFR 109.203(b)	33 CFR 146.205(c) 46 CFR 109.203(b)	

Verifying Officer Guidance: *Trainee shall demonstrate a working knowledge of the equipment's components, function(s) and operation including the importance of the crew's knowledge of and access to all closures, shutdowns, and shut-offs in case of an emergency.*

⁽¹⁾U.S. MODUs only.

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

EMPLID:

Verifying Officer's Signature:

Date:

Mobile Offshore Drilling Unit Inspector (MUI)**MODU COI/COC****General Health & Safety Examination (GH)****All MODUs****Task:** MUI-GH06 Inspect/examine storage of gas cylinders**Condition:** *During general health and safety examination, after giving consideration to the different options of design, equipment, and operating standards that MODUs may comply with***Standard:** *In accordance with current laws, regulations, policies, procedures and processes*

References:

1. Title 46, Code of Federal Regulations Part 56 Piping Systems & Appurtenances
2. Title 46, Code of Federal Regulations Part 61 Marine Engineering - Periodic Tests & Inspections
3. Title 46, Code of Federal Regulations Part 147 Dangerous Cargoes
4. Code for the Construction and Equipment of Mobile Offshore Drilling Units (MODU), 2009

Steps		U.S./Option A References	Option C References	Initials
GH06.1	Verify permanent piping for oxyacetylene installation (when applicable)	46 CFR 56.50-103 ⁽¹⁾ 46 CFR 61.15-15 ⁽¹⁾	MODU 09/9.17.1.1	
GH06.2	Examine gas cylinders carried in enclosed spaces (when applicable)	46 CFR 147.70 & 85 ⁽¹⁾	MODU 09/9.17.1.2 MODU 09/9.17.1.3	
GH06.3	Verify storage of cylinders	46 CFR 147.60(b) ⁽¹⁾	MODU 09/9.17.1.2 MODU 09/9.17.1.6	
GH06.4	Verify process for removal of gas cylinders	N/A	MODU 09/9.17.1.4	
GH06.5	Verify labeling/warning signs	46 CFR 147.30 ⁽¹⁾	MODU 09/9.17.1.5	

Verifying Officer Guidance: *Trainee shall demonstrate a working knowledge of the equipment's components, function(s) and operation including the dangers associated with the storage of gas cylinders and the potential for hazardous conditions to exist.*

⁽¹⁾U.S. MODUs only.

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

Mobile Offshore Drilling Unit Inspector (MUI)**MODU COI/COC****General Health & Safety Examination (GH)****All 2009 Option C MODUs**

Task: MUI-GH07 Examine hydrogen sulphide (sulfide) (H₂S) detection and alarm system

Condition: *During general health and safety examination, after giving consideration to the different options of design, equipment, and operating standards that MODUs may comply with*

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

References: 1. Code for the Construction and Equipment of Mobile Offshore Drilling Units (MODU), 2009

Steps		U.S./Option A References	Option C References	Initials
GH07.1	Verify areas monitored	N/A	MODU 09/9.12.1	
GH07.2	Verify operation of audible and visual indicators	N/A	MODU 09/9.12.1	
GH07.3	Verify automatic activation of helideck status light if not acknowledged	N/A	MODU 09/9.12.1	
GH07.4	Verify sufficient portable gas detectors	N/A	MODU 09/9.12.2	

Verifying Officer Guidance: *Trainee shall demonstrate a working knowledge of the equipment's components, function(s) and operation including the dangers associated with Hydrogen Sulphide (H₂S) and the potential for hazardous conditions to exist. It is important to note that there may be different requirements because of the unit's build date and examination option (A, B or C).*

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

EMPLID:

Verifying Officer's Signature:

Date:

Mobile Offshore Drilling Unit Inspector (MUI)**MODU COI/COC****General Health & Safety Examination (GH)****All MODUs****Task:** MUI-GH08 Inspect/examine means of escape**Condition:** *During general health and safety examination, after giving consideration to the different options of design, equipment, and operating standards that MODUs may comply with***Standard:** *In accordance with current laws, regulations, policies, procedures and processes*

- References:**
1. Title 46, Code of Federal Regulations Part 108 MODU Design & Equipment
 2. Title 46, Code of Federal Regulations Part 112 Emergency Lighting & Power Systems
 3. Code for the Construction and Equipment of Mobile Offshore Drilling Units (MODU), 2009
 4. International Code for Fire Safety Systems (FSS Code), 2015

Steps		U.S./Option A References	Option C References	Initials
GH08.1	Verify means of escape and confirm accessibility	46 CFR 108.153 & .157	MODU 09/9.4.1.3	
GH08.2	Verify emergency escape lighting arrangements	46 CFR 112.15-1(b), (c), (e) thru (g) ⁽¹⁾	MODU 09/5.4.6.1	
GH08.3	Verify escape route is marked and illuminated	46 CFR 112.15-1(c) ⁽¹⁾	MODU 09/9.4.1.4	
GH08.4	Verify arrangement of machinery space escape ladders	46 CFR 108.155 46 CFR 108.159 thru 160	MODU 09/9.4.2	
GH08.5	Verify Emergency Escape Breathing Devices (EEBDs) in escape routes	N/A	MODU 09/9.6	
GH08.6	Verify EEBDs are in serviceable condition	N/A	MODU 09/9.6 FSS Code 3.2.2	

Verifying Officer Guidance: *Trainee shall demonstrate a basic knowledge of the purpose, importance and safety concerns with escape routes, including the need to verify that the crew is equally aware. Trainee shall also demonstrate a working knowledge of the equipment's components, function(s), type approval and operation. Note that additional air packs may be in place beyond the Option "C" EEBD requirements when H₂S is present.*

⁽¹⁾U.S. MODUs only.

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

EMPLID:
Verifying Officer's Signature:
Date:

Mobile Offshore Drilling Unit Inspector (MUI)**MODU COI/COC****General Health (GH)****All MODUs****Task:** MUI-GH09 Avoid inadvertent entry into a confined space**Condition:** *Given a background knowledge of confined space entry, during an exam***Standard:** *In accordance with current laws, regulations, policies, procedures and processes*

- References:**
1. Title 29, Code of Federal Regulations Part 1915 Occupational Safety & Health Standards for Shipyard Employment
 2. COMDTINST M16000.6 Marine Safety Manual Volume I Administration & Management
 3. COMDTINST M16000.7B Marine Safety Manual Volume II Material Inspection Ch-2

Steps		U.S./Option A References	Option C References	Initials
GH09.1	Determine confined space(s)	29 CFR 1915, Part B MSM I/10 & App. A	29 CFR 1915, Part B MSM I/10 & App. A	
GH09.2	Evaluate potential hazards	MSM I/10 App. A, C, D, F & G MSM II/G.1.J	MSM I/10 App. A, C, D, F & G MSM II/G.1.J	
GH09.3	Mitigate potential hazards	29 CFR 1915, Part B MSM II/G.1.J MSM I/10	29 CFR 1915, Part B MSM II/G.1.J MSM I/10	

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

Mobile Offshore Drilling Unit Inspector (MUI)**MODU COI/COC****Lifesaving Equipment Examination (LS)****All MODUs****Task:** MUI-LS01 Inspect/examine general emergency systems**Condition:** *During lifesaving equipment examination, after giving consideration to the different options of design, equipment, and operating standards that MODUs may comply with***Standard:** *In accordance with current laws, regulations, policies, procedures and processes*

- References:**
1. Title 46, Code of Federal Regulations Part 109 MODU Operations
 2. Title 46, Code of Federal Regulations Part 113 Communication & Alarm Systems & Equipment
 3. Code for the Construction and Equipment of Mobile Offshore Drilling Units (MODU), 2009
 4. IMO Resolution A.1021(26) Code on Alerts & Indicators, 2009

Steps		U.S./Option A References	Option C References	Initials
LS01.1	Verify alarm activation points	46 CFR 113.25-5(c) & (d) ⁽¹⁾	MODU 09/5.7.2	
LS01.2	Verify operational test of audible and visual general alarm signals	46 CFR 113.25-12 & -10 ⁽¹⁾	MODU 09/5.7.2 IMO Res A.1021(26)	
LS01.3	Verify connection to emergency power source	46 CFR 113.25-6 ⁽¹⁾	MODU 09/5.4.6.4.1	
LS01.4	Verify public address system is audible	46 CFR 113.50-5 & -15 ⁽¹⁾	MODU 09/5.7.3	
LS01.5	Verify general alarm system tests	46 CFR 109.301(d)(3) & .433(a)	MODU 09/10.18.7.4 MODU 09/14.16.2.6	

Verifying Officer Guidance: *Trainee shall demonstrate a working knowledge of the system's components, function(s) and operation. Trainee is to be aware of the affect that build date may have on the requirements.*

⁽¹⁾U.S. MODUs only.

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

EMPLID:

Verifying Officer's Signature:

Date:

Mobile Offshore Drilling Unit Inspector (MUI)**MODU COI/COC****Lifesaving Equipment Examination (LS)****All MODUs****Task:** MUI-LS02 Inspect/examine rescue boat**Condition:** *During lifesaving equipment examination, after giving consideration to the different options of design, equipment, and operating standards that foreign MODUs may comply with***Standard:** *In accordance with current laws, regulations, policies, procedures and processes*

- References:**
1. Title 33, Code of Federal Regulations Part 140 OCS - General
 2. Title 46, Code of Federal Regulations Part 108 MODU Design & Equipment
 3. Title 46, Code of Federal Regulations Part 109 MODU Operations
 4. Title 46, Code of Federal Regulations Part 160 Equipment, Construction & Materials: Specifications & Approval - Lifesaving Equipment
 5. Lifesaving Appliances including LSA Code, 2010
 6. Code for the Construction and Equipment of Mobile Offshore Drilling Units (MODU), 2009
 7. IMO Resolution MSC.435(98), Amendments to the 2009 MODU Code

Steps		U.S./Option A References	Option C References	Initials
LS02.1	Determine applicability ^(b)	46 CFR 108.560	33 CFR 140.101 MODU 09/10.8-10.10	
LS02.2	Verify embarkation and launching arrangement	46 CFR 108.570	MODU 09/10.10	
LS02.3	Verify stowage	46 CFR 108.565	MODU 09/10.9	
LS02.4	Verify operating instructions are posted in the vicinity	46 CFR 108.655	MODU 09/10.17	
LS02.5	Verify boat markings	46 CFR 108.645(a)	MODU 09/10.8 LSA 5.1.1.1 & 4.4.9	
LS02.6	Verify type approval data plate	46 CFR 108.560 46 CFR 160.156-17	MODU 09/10.8 LSA 1.2.2.9	
LS02.7	Witness operation of engine	46 CFR 109.301(d)(2)	MODU 09/10.18.7.2	
LS02.8	Verify required equipment and proper storage	46 CFR 108.575	MODU 09/10.8 LSA 5.1.2	
LS02.9	Verify dedicated rescue boat is provided	N/A	MODU 09/10.8 MSC.435(98)	

Verifying Officer Guidance: *Trainee shall demonstrate a working knowledge of the system's components, function(s) and operation. In addition, the trainee should review the safety recommendation contained in the Commandant's Final Action Memo (MODU Deepwater Horizon Investigation) relating to the carriage of dedicated rescue boats. It is also very important that the trainee understands the differences in requirements if a lifeboat is designated as a rescue boat.*

^(b)Dedicated rescue boats will be required for Option C MODUs constructed on/after 01Jan2020 (MSC.435(98)).

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

Mobile Offshore Drilling Unit Inspector (MUI)**MODU COI/COC****Lifesaving Equipment Examination (LS)****All MODUs****Task:** MUI-LS03 Inspect/examine muster and embarkation stations**Condition:** *During lifesaving equipment examination, after giving consideration to the different options of design, equipment, and operating standards that MODUs may comply with***Standard:** *In accordance with current laws, regulations, policies, procedures and processes*

- References:**
1. Title 46, Code of Federal Regulations Part 108 MODU Operations
 2. Title 46, Code of Federal Regulations Part 109 MODU Operations
 3. Title 46, Code of Federal Regulations Part 112 Emergency Lighting & Power Systems
 4. Code for the Construction and Equipment of Mobile Offshore Drilling Units (MODU), 2009

Steps		U.S./Option A References	Option C References	Initials
LS03.1	Verify muster and embarkation stations arrangements	46 CFR 108.540(a) thru (d) & (f)	MODU 09/10.4.1,.2,.5 &.6	
LS03.2	Verify arrangement to allow for stretcher accessibility into survival craft before launching	46 CFR 108.540(e)	MODU 09/10.4.5	
LS03.3	Verify davit-launched liferaft embarkation stations arrangements (if installed)	46 CFR 108.540(g)	MODU 09/10.6.2 & 10.6.6	
LS03.4	Verify emergency lighting configuration and operation	46 CFR 112.15-1(g) & -5(a) ⁽¹⁾	MODU 09/5.4.6.1.1 MODU 09/10.4.3 & .7 MODU 09/10.7.6	
LS03.5	Witness emergency lighting testing	46 CFR 109.213(d)(6) & (h)(iii) 46 CFR 109.433(c)	MODU 09/10.18.8	

Verifying Officer Guidance: *Trainee shall demonstrate a working knowledge of the equipment, function(s) and operation. Trainee shall clearly articulate the importance of a timely and accurate muster to ensure a safe and effective embarkation.*

⁽¹⁾U.S. MODUs only.

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

EMPLID:

Verifying Officer's Signature:

Date:

Mobile Offshore Drilling Unit Inspector (MUI)**MODU COI/COC****Lifesaving Equipment Examination (LS)****All MODUs****Task:** MUI-LS04 Inspect/examine fixed metal ladders**Condition:** *During lifesaving equipment examination, after giving consideration to the different options of design, equipment, and operating standards that MODUs may comply with***Standard:** *In accordance with current laws, regulations, policies, procedures and processes*

- References:**
1. Title 46, Code of Federal Regulations Part 108 MODU Design & Equipment
 2. Title 46, Code of Federal Regulations Part 112 Emergency Lighting & Power Systems
 3. Code for the Construction and Equipment of Mobile Offshore Drilling Units (MODU), 2009

Steps		U.S./Option A References	Option C References	Initials
LS04.1	Verify locations and accessibility to waterline	46 CFR 108.540(h)(3)	MODU 09/10.4.7	
LS04.2	Verify ladders and sea areas are illuminated by emergency lighting	46 CFR 112.15-1(g) & -5(a)	MODU 09/10.4.7	
LS04.3	Verify alternative means of escape to waterline (if fixed ladders are not installed)	46 CFR 108.540(h)(4)	MODU 09/10.4.8	

Verifying Officer Guidance: *Trainee should know the purpose of fixed metal ladders and if there are alternatives, particularly on jack-up (self-elevating) MODUs. Trainee shall demonstrate a working knowledge of ladder accessibility, how to resolve excessive marine growth and how to assess ladder integrity.*

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

Mobile Offshore Drilling Unit Inspector (MUI)**MODU COI/COC****Lifesaving Equipment Examination (LS)****All MODUs**

Task: MUI-LS05 Inspect/examine inflatable liferafts and davit-launched liferaft arrangements

Condition: During lifesaving equipment examination, after giving consideration to the different options of design, equipment, and operating standards that MODUs may comply with

Standard: In accordance with current laws, regulations, policies, procedures and processes

References:

1. Title 46, Code of Federal Regulations Part 108 MODU Design & Equipment
2. Title 46, Code of Federal Regulations Part 109 MODU Operations
3. Title 46, code of Federal Regulations Part 160 Lifesaving Equipment
4. Code for the Construction and Equipment of Mobile Offshore Drilling Units (MODU), 2009
5. International Convention for the Safety of Life at Sea (SOLAS) 1974, as amended
6. Lifesaving Appliances including LSA Code, 2010

Steps		U.S./Option A References	Option C References	Initials
LS05.1	Verify type approval	46 CFR 108.520(b)	MODU 09/10.1.2	
LS05.2	Verify liferaft capacity requirements	46 CFR 108.525(a)(2) & (b)	MODU 09/10.3.2, .3, .5 & .6	
LS05.3	Verify stowage	46 CFR 108.530(a) & (c)	MODU 09/10.6 MODU 09/10.3.3 & 10.4.5 MODU 09/10.5, 10.4.6.2 & .3	
LS05.4	Evaluate launching arrangements	46 CFR 108.550, 553 46 CFR 109.213(d)(vii)	MODU 09/10.6.2, .6 & .7	
LS05.5	Verify launching illustrations and instructions posted	46 CFR 108.655 46 CFR 160.151-59(c)	MODU 09/10.17	
LS05.6	Verify container markings	46 CFR 108.646 & .647	MODU 09/10.3 LSA 4.2.6.3	
LS05.7	Verify identification/maintenance cards are accurate	46 CFR 108.520(b) 46 CFR 160.151-57(m)(2)	MODU 09/10.1.4 & 10.3 SOLAS III/31.1.1.2 LSA 4.2.7	

Verifying Officer Guidance: Trainee shall demonstrate a working knowledge of the equipment, function(s) and operation. Trainee shall also demonstrate a working knowledge of when davit-launched liferafts are allowed/required and when regular liferafts are required. Trainee shall articulate how to evaluate launching arrangements, particularly on column-stabilized and jack-up (self-elevating) units.

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

EMPLID:

Verifying Officer's Signature:

Date:

Mobile Offshore Drilling Unit Inspector (MUI)**MODU COI/COC****Lifesaving Equipment Examination (LS)****All MODUs****Task:** MUI-LS06 Inspect/examine lifeboats**Condition:** *During lifesaving equipment examination, after giving consideration to the different options of design, equipment, and operating standards that MODUs may comply with***Standard:** *In accordance with current laws, regulations, policies, procedures and processes*

- References:**
1. Title 46, Code of Federal Regulations Part 108 MODU Design & Equipment
 2. Title 46, Code of Federal Regulations Part 109 MODU Operations
 3. Title 46, Code of Federal Regulations Part 160 Equipment, Construction & Materials: Specifications & Approval - Lifesaving Equipment
 4. Code for the Construction and Equipment of Mobile Offshore Drilling Units, 2009
 5. Lifesaving Appliances including LSA Code, 2010
 6. IMO MSC.1/Circ.1206 Rev. 1 Measures to Prevent Accidents with Lifeboats

Steps		U.S./Option A References	Option C References	Initials
LS06.1	Verify type approval	46 CFR 108.105 & .520(a) 46 CFR 160.035-13(c) & .135-17	MODU 09/10.1.2, 3.1 MODU 09/10.3.4 LSA Code 1.2.2.9	
LS06.2	Verify stowage	46 CFR 108.530	MODU 09/10.6	
LS06.3	Determine rated capacity from data plate	46 CFR 160.135 & .035 LSA Code 4.4.1.2 & 4.4.2.2 46 CFR 160.135-17	MODU 09/10.1.2 LSA Code 4.4.1.2 & 4.4.2.2	
LS06.4	Verify required exterior markings	46 CFR 108.645 46 CFR 160.135-7(b)(27)	MODU 09/10.3.1 & .4 LSA 1.2.2.7 & 4.4.9	
LS06.5	Examine release gear	46 CFR 109.301(i)(3) thru (5) 46 CFR 108.520(a) 46 CFR 160.135-7(b)(17), 133-7 & 133-17	MODU 09/10.7.1, .3 & 10.18.12.2 LSA Code 4.4.7.6.1 thru .15 & .17 MSC Circ.1206 Rev. 1	
LS06.6	Verify required equipment is present	46 CFR 108.575	MODU 09/10.6.1.4 LSA Code 4.4.8	
LS06.7	Witness operation of engine	46 CFR 109.301(a) 46 CFR 109.301(d)(2)	MODU 09/10.18.1 & 10.18.7.2	
LS06.8	Verify sprinkler system components and operation	46 CFR 160.135-7(a) MODU 09/10.3.1, 10.3.4 46 CFR 160.035 ⁽⁶⁾	MODU 09/10.3.1 & .4 LSA Code 10/4.9	

(Task MUI-LS06 continued on next page)

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

LS06.9	Verify self-contained air system components and operation	46 CFR 160.135-7(a) & (b)(25) LSA Code 10/4.8 46 CFR 160.035 ⁽⁶⁾	MODU 09/10.3.1 & 10.3.4 LSA Code 10/4.8	
LS06.10	Verify instructions inside for release gear	46 CFR 108.655 46 CFR 160.133-19(c)	MODU 09/10.17 LSA 4.4.7.6.3, .5 & .6	
LS06.11	Verify fire protection components and operations	46 CFR 108.520(a) 46 CFR 160.135-7(a) & (b)(25) ⁽⁶⁾ LSA Code 4.8 & .9	MODU 09/10.1.5 MODU 09/10.18.1 LSA Code 4.8 & .9	
LS06.12	If lifeboat is dual-service designated as a rescue boat, verify additional required equipment ^(b)	46 CFR Table 108.575(b)	MODU 09/10.8 LSA 5.1.2	

Verifying Officer Guidance: *Trainee shall demonstrate a working knowledge of the equipment, function(s) and operation. In addition, the trainee should review the safety recommendation contained in the Commandant's Final Action Memo (MODU Deepwater Horizon Investigation) relating to the carriage of dedicated rescue boats. It is also very important that the trainee understands the differences in the design/layout of lifeboats due to different manufacturers and how the design/layout affects carriage of equipment.*

⁽⁶⁾Type approval documents will have to be consulted for fire-protected boats approved under approval series 160.035. ^(b)For Option C MODUs constructed on/after 01Jan2020, dedicated rescue boats will be required.

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

Mobile Offshore Drilling Unit Inspector (MUI)**MODU COI/COC****Lifesaving Equipment Examination (LS)****All MODUs****Task:** MUI-LS07 Inspect/examine boat davits**Condition:** *During lifesaving equipment examination, after giving consideration to the different options of design, equipment, and operating standards that MODUs may comply with***Standard:** *In accordance with current laws, regulations, policies, procedures and processes*

- References:**
1. Title 46, Code of Federal Regulations Part 108 MODU Design & Equipment
 2. Title 46, Code of Federal Regulations Part 109 MODU Operations
 3. Title 46, Code of Federal Regulations Part 160 Lifesaving Equipment
 4. COMDTINST M16000.7B Marine Safety Manual Volume II Material Inspection Ch-2
 5. Code for the Construction and Equipment of Mobile Offshore Drilling Units, 2009
 6. Lifesaving Appliances including LSA Code, 2010

Steps		U.S./Option A References	Option C References	Initials
LS07.1	Examine condition of davit(s) and associated components	46 CFR 109.301(a) MSM II/B.1.P.3.a, .c & .d ⁽¹⁾	MODU 09/10.18.1	
LS07.2	Verify survival craft launching arrangement	46 CFR 108.550, 553 & 555	MODU 09/10.7.1, 7.10 thru .12 LSA Code 6.1.1.1 thru 6.1.2.13	
LS07.3	Verify davit operator has unobstructed view during launching and recovery operations	46 CFR 108.555(c)	MODU 09/10.7.2 LSA Code 6.1.22	
LS07.4	Verify falls are of adequate length for survival craft to reach water	46 CFR 108.550(f)(2) 46 CFR 108.553(c)	MODU 09/10.7.5	
LS07.5	Verify approval markings and labeling are present	46 CFR 108.550(a) 46 CFR 160.115-17 46 CFR 160.132-17	MODU 09/10.7.1 LSA Code 1.2.2.9	
LS07.6	Verify conditions of falls, lay/spooling onto winch drum and that boat is hanging evenly in davit	46 CFR 108.553(a) & (e)	MODU 09/10.7.1 LSA Code 6.1.2.4	

(Task MUI-LS07 continued on next page)

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

LS07.7	Witness operational test of limit switches	46 CFR 108.553(j) 46 CFR 111.95-7(c) 46 CFR 160.115-7(b)(6)(vi)	MODU 09/10.7.1 LSA Code 6.1.2.7	
LS07.8	Verify retrieval speed is satisfactory for lifeboats designated as rescue boat	46 CFR 108.560 & .570 MSM II/B.1.P.2.c MSM II/B.1.P.3.a	MODU 09/10.7.1 LSA Code 6.1.1.9	
LS07.9	Verify operating instructions posted	46 CFR 108.655	MODU 09/10.17	

Verifying Officer Guidance: *Trainee shall demonstrate a working knowledge of the equipment's nomenclature, function(s), type approval and operation. It is important for the trainee to be able to articulate how to spot unacceptable deterioration of various davit components.*

(1)U.S. MODUs only.



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

Mobile Offshore Drilling Unit Inspector (MUI)**MODU COI/COC****Firefighting Systems Examination (FF)****All MODUs**

Task: MUI-FF01 Inspect/examine areas for compliance with Structural Fire Protection (SFP) requirements

Condition: *During firefighting system examination, after giving consideration to the different options of design, equipment, and operating standards that MODUs may comply with*

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

- References:**
1. Title 46, Code of Federal Regulations Part 107 MODU Inspection & Certification
 2. Title 46, Code of Federal Regulations Part 108 MODU Design & Equipment
 3. Code for the Construction and Equipment of Mobile Offshore Drilling Units, 2009
 4. International Convention for the Safety of Life at Sea (SOLAS) 1974, as amended
 5. IMO Resolution MSC.307(88) International Code for Application of Fire Test Procedures, 2010 (2010 FTP Code)
 6. NVIC 09-97 Ch-1 Guide to Structural Fire Protection

Steps		U.S./Option A References	Option C References	Initials
FF01.1	Determine structural fire protection needed	46 CFR 108.133 thru .143	MODU 09/Table 9.1 & .2	
FF01.2	Verify SFP boundaries with fire control plan	46 CFR 107.305(v) ⁽¹⁾	MODU 09/9.18 SOLAS 14 II-2/15.2.4	
FF01.3	Verify SFP is as built or per approved modifications	46 CFR 108.131 NVIC 9-97 CH-1, Encl (1) Ch 3 ⁽¹⁾	MODU 09/9.2 SOLAS 14 II-2/5.3 & 6 FTP Code/5	
FF01.4	Evaluate fire door(s) operation	46 CFR 108.133 thru .143	MODU 09/9.2.9 & .10	
FF01.5	Verify multi-cable transits (MCT's) are compatible with fire boundary	46 CFR 108.133 thru .145 NVIC 9-97 CH-1, Encl (1) 2.13 ⁽¹⁾	MODU 09/9.2.3 & .4 MODU 09/9.3.2 FTP Ann 1 Pt 3 App 2/A.IV.1	
FF01.6	Verify ventilation closures are compatible with fire boundary	46 CFR 108.133 thru .145 NVIC 9-97 CH-1, Encl (1) 5.2 ⁽¹⁾	MODU 09/9.2.3 MODU 09/9.3.13 thru .20 FTP Ann 1 Pt 3 App 2/AII.1	

(Task MUI-FF01 continued on next page)

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

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Verifying Officer's Signature:

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FF01.7	Verify pipes/standoffs are compatible with fire boundary	46 CFR 108.133 thru .145 NVIC 9-97 CH-1, Encl (1) 2.13 ⁽¹⁾	MODU 09/9.2.3 & .4 FTP Ann 1 Pt 3 App 2/AIII.1	
FF01.8	Verify no unapproved space modification(s) that would affect space categorization	46 CFR 108.133 thru .145	MODU 09/9.2.5 MODU 09/Table 9.1 & .2	

Verifying Officer Guidance: *Trainee shall demonstrate a working knowledge of the equipment's components, function(s), type approval and operation. In particular, trainee needs to know how the U.S. requirements, 89 MODU Code and 79 MODU Code differ from the 09 MODU Code. Trainee shall also demonstrate a working knowledge of fire ratings and the appropriate compatibility of boundaries with regard to bulkhead/deck penetrations.*

⁽¹⁾U.S. MODUs only.



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

EMPLID:

Verifying Officer's Signature:

Date:

Mobile Offshore Drilling Unit Inspector (MUI)**MODU COI/COC****Firefighting Systems Examination (FF)****All MODUs****Task:** MUI-FF02 Inspect/examine fixed fire detection and alarm system**Condition:** *During firefighting system examination, after giving consideration to the different options of design, equipment, and operating standards that MODUs may comply with***Standard:** *In accordance with current laws, regulations, policies, procedures and processes*

- References:**
1. Title 46, Code of Federal Regulations Part 108 MODU Design & Equipment
 2. Title 46, Code of Federal Regulations Part 113 Communication & Alarm Systems & Equipment
 3. Code for the Construction and Equipment of Mobile Offshore Drilling Units (MODU), 2009
 4. International Code for Fire Safety Systems (FSS Code), 2007
 5. IMO Resolution A.1021(26) Code on Alerts & Indicators, 2009

Steps		U.S./Option A References	Option C References	Initials
FF02.1	Verify operation	46 CFR 108.404 thru 413	MODU 09/9.5 & .10 FSS Code 9.2.1, .3, .4 & 9.2.5.1 IMO Res A. 1021(26)	
FF02.2	Verify power sources	46 CFR 113.10-9 ⁽¹⁾	MODU 09/9.5 FSS Code 9.2.2	

Verifying Officer Guidance: *Trainee shall demonstrate a working knowledge of the equipment's components, function(s), type approval and operation. In particular, trainee needs to know how the U.S. requirements, 89 MODU Code and 79 MODU Code differ from the 09 MODU Code.*

⁽¹⁾U.S. MODUs only.

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

EMPLID:
Verifying Officer's Signature:
Date:

Mobile Offshore Drilling Unit Inspector (MUI)**MODU COC****Firefighting Systems Examination (FF)****All 2009 Option C MODUs****Task:** MUI-FF03 Examine flammable gas and alarm system(s)**Condition:** *During firefighting system examination, after giving consideration to the different options of design, equipment, and operating standards that MODUs may comply with***Standard:** *In accordance with current laws, regulations, policies, procedures and processes***References:** 1. Code for the Construction and Equipment of Mobile Offshore Drilling Units (MODU), 2009

Steps		U.S./Option A References	Option C References	Initials
FF03.1	Verify areas monitored	N/A	MODU 09/9.11.1	
FF03.2	Verify operation of audible and visual indicators	N/A	MODU 09/9.11.1	
FF03.3	Verify sufficient portable gas detectors	N/A	MODU 09/9.11.2	

Verifying Officer Guidance: *Trainee shall demonstrate a working knowledge of the equipment's components, function(s), type approval and operation. In particular, trainee needs to know how the 89 MODU Code and 79 MODU Code differ from the 09 MODU Code.*

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

Mobile Offshore Drilling Unit Inspector (MUI)**MODU COC****Firefighting Systems Examination (FF)****All 2009 Option C MODUs****Task:** MUI-FF04 Examine apparatus for recharging air cylinders**Condition:** *During firefighting system examination, after giving consideration to the different options of design, equipment, and operating standards that MODUs may comply with***Standard:** *In accordance with current laws, regulations, policies, procedures and processes***References:** 1. Code for the Construction and Equipment of Mobile Offshore Drilling Units (MODU), 2009

Steps		U.S./Option A References	Option C References	Initials
FF04.1	Verify compressor is located in suitable location	N/A	MODU 09/ 9.14.2 & .6	
FF04.2	Verify compressor's emergency power source/independent prime mover	N/A	MODU 09/9.14.1	
FF04.3	Verify air intake location and filtration	N/A	MODU 09/9.14.3 MODU 09/9.14.4	
FF04.4	Verify recharging capacity	N/A	MODU 09/9.14.5	

Verifying Officer Guidance: *Trainee shall demonstrate a working knowledge of the equipment's components, function(s) and operation.***Inspector's Name:** (Last, First, Initial)**EMPLID:****Verifying Officer's Signature:****Date:**

Mobile Offshore Drilling Unit Inspector (MUI)**MODU COI/COC****Firefighting Systems Examination (FF)****All MODUs****Task:** MUI-FF05 Inspect/examine fire main system(s)**Condition:** *During firefighting equipment examination, after giving consideration to the different options of design, equipment, and operating standards that MODUs may comply with***Standard:** *In accordance with current laws, regulations, policies, procedures and processes***References:** 1. Title 46, Code of Federal Regulations Part 108 MODU Design & Equipment
2. Code for the Construction and Equipment of Mobile Offshore Drilling Units (MODU), 2009

Steps		U.S./Option A References	Option C References	Initials
FF05.1	Verify number of pumps	46 CFR 108.415	MODU 09/9.7.1	
FF05.2	Verify location(s)	46 CFR 108.421	MODU 09/9.7.3 & .6	
FF05.3	Verify remote start operation	N/A	MODU 09/9.7.6	
FF05.4	Verify pressure	46 CFR 108.415	MODU 09/9.7.5	
FF05.5	Verify relief valve installation	46 CFR 108.417(a) & (d)	MODU 09/9.7.9	
FF05.6	Verify fire station arrangements	46 CFR 108.423 thru .427	MODU 09/9.7.19 thru .23	
FF05.7	Verify no connections other than ones necessary for fire fighting	N/A	MODU 09/9.7.15	
FF05.8	Verify connection arrangements for pumps allowed to be used for other purposes	46 CFR 108.417(c)	MODU 09/9.7.7	
FF05.9	Verify presence of international shore connection, as applicable	46 CFR 108.427	MODU 09/9.7.23	

Verifying Officer Guidance: *Trainee shall demonstrate a working knowledge of the equipment's components, function(s) and operation.***Inspector's Name:** (Last, First, Initial)**EMPLID:****Verifying Officer's Signature:****Date:**

Mobile Offshore Drilling Unit Inspector (MUI)**MODU COI/COC****Firefighting Systems Examination (FF)****All Option C MODUs^(c)****Task:** MUI-FF06 Examine deluge system**Condition:** *During firefighting equipment examination, after giving consideration to the different options of design, equipment, and operating standards that MODUs may comply with***Standard:** *In accordance with current laws, regulations, policies, procedures and processes***References:** 1. IMO Resolution MSC. 435(98), Amendments to 2009 MODU Code

Steps		U.S./Option A References	Option C References	Initials
FF06.1	Confirm voluntary installation locations	N/A	MODU 09/9.8.1 ^(c)	
FF06.2	Confirm alternative arrangement (when applicable)	N/A	MODU 09/9.8.1 ^(c)	
FF06.3	Verify drill floor has adequate coverage for area	N/A	MODU 09/9.8.1 ^(c)	
FF06.4	Verify condition of nozzles and piping	N/A	MODU 09/9.8.3 ^(c) & 9.19.2	
FF06.5	Verify access to system activation points	N/A	MODU 09/9.8.2 ^(c)	
FF06.6	Verify protection of components	N/A	MODU 09/9.8.1 ^(c)	
FF06.7	Verify on Fire Control Plan	N/A	MODU 09/9.9.18 ^(c)	

Verifying Officer Guidance: *Trainee shall demonstrate a working knowledge of the equipment's components, function(s) and operation.*^(c)Drill floor fire extinguishing requirements will be mandatory for Option C MODUs constructed on/after 01Jan2020 IAW MSC.435(98), adopted 09Jun2017.**Inspector's Name:** (Last, First, Initial)**EMPLID:****Verifying Officer's Signature:****Date:**

Mobile Offshore Drilling Unit Inspector (MUI)**MODU COI/COC****Dynamic Positioning Examination (DP)****Dynamically-Positioned MODUs**

Task: MUI-DP01 Examine operational capabilities of Dynamic Positioning (DP) systems

Condition: Prior to initial Certificate of Compliance and Renewal or during annual DP trials

Standard: In accordance with current laws, regulations, policies, procedures and processes

References:

1. Code for the Construction and Equipment of Mobile Offshore Drilling Units (MODU), 2009
2. IMO MSC/Circ. 645 Guidelines for Vessels with Dynamic Positioning Systems
3. IMO MSC.1/Circ. 1580 Guidelines for Vessels with Dynamic Positioning Systems

Steps		U.S./Option A References	Option C References	Initials
DP01.1	Determine equipment class	See note below ⁽⁷⁾	MODU 09/4.13 IMO MSC/Circ. 645 2 IMO MSC/Circ. 1580 2	
DP01.2	Verify Well Specific Operating Guidelines (WSOGs)	See note below ⁽⁷⁾	IMO MSC/Circ. 1580 4.1	
DP01.3	Verify records of DP incidents	See note below ⁽⁷⁾	IMO MSC/Circ. 645 5.1.1.4 IMO MSC/Circ. 1580 5.1.1.4	
DP01.4	Verify presence of DP operating manual	See note below ⁽⁷⁾	MODU 09/14.1.3.13 IMO MSC/Circ. 645 4	
DP01.5	Verify initial, periodic and annual survey(s)	See note below ⁽⁷⁾	IMO MSC/Circ. 645 5.1 IMO MSC/Circ. 1580 5.1	

(Task MUI-DP01 continued on next page)

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

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DP01.6	Verify tests after modifications and non-conformities	See note below ⁽⁷⁾	IMO MSC/Circ. 645 5.1.1.4 IMO MSC/Circ. 1580 5.1.1.4	
DP01.7	Verify Class Approved Failure Modes and Effects Analysis (FMEA)	See note below ⁽⁷⁾	IMO MSC/Circ. 645 5.1 IMO MSC/Circ. 1580 5.1	

Verifying Officer Guidance: *Trainee shall demonstrate a working knowledge of the different classes of DP systems, the minimum requirements for each class, system components and their integration. In addition, the trainee shall demonstrate a working knowledge of the scope, purpose and elements of a FMEA including how proving trials are conducted and how to use their results. DP requirements are referenced from MODU Code (09) 4.13 and incorporated by reference to IMO MSC/Circ.645.DP requirements are referenced from MODU Code (09) 4.13 and incorporated by reference to IMO MSC/Circ.645. Note: Circ.645 applies to MODUs built between 01Jul94 & 08Jun17, while Circ.1580 applies to MODUs built 09Jun17 & later.*

⁽⁷⁾Only one U.S. MODU currently has DP and that MODU is enrolled in ACP. A U.S. MODU that has DP capabilities will normally carry a MODU Safety Certificate and will be in compliance with the MODU Code, in which case the Option C requirements and applicable Classification Society Rules would be followed. Option A MODUs are typically Self-Elevating Units (SEUs).

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

Mobile Offshore Drilling Unit Inspector (MUI)**MODU COI/COC****Dynamic Positioning Examination (DP)****Dynamically-Positioned MODUs****Task:** MUI-DP02 Examine DP's power management system**Condition:** Prior to initial Certificate of Compliance and Renewal or during annual DP trials**Standard:** In accordance with current laws, regulations, policies, procedures and processes

- References:**
1. Code for the Construction and Equipment of Mobile Offshore Drilling Units (MODU), 2009
 2. IMO MSC/Circ. 645 Guidelines for Vessels with Dynamic Positioning Systems
 3. IMO MSC.1/Circ. 1580 Guidelines for Vessels with Dynamic Positioning Systems

Steps		U.S./Option A References	Option C References	Initials
DP02.1	Conduct meeting on test procedures	See note below ⁽⁷⁾	IMO MSC/Circ. 645 4.4 IMO MSC/Circ. 1580 4.6	
DP02.2	Verify power available in accordance with WSOG and CAMO modes	See note below ⁽⁷⁾	IMO MSC/Circ. 645 3.2.5 IMO MSC/Circ. 1580 3.2.5	
DP02.3	Witness bus-tie breakers separate automatically and standby generator comes on line (when not latched up)	See note below ⁽⁷⁾	MODU 09/4.13 IMO MSC/Circ. 645 3.2.3 & .4 IMO MSC/Circ. 1580 3.2.3 & .4	
DP02.4	Verify system meets stated classification	See note below ⁽⁷⁾	MODU 09/4.3 IMO MSC/Circ. 645 3.2 IMO MSC/Circ. 1580 3.2	

Verifying Officer Guidance: Trainee shall be able to draw a simple line diagram and explain the basic operation of a multi-bus power management system including how the operation of these systems may differ on each DP class. It is also important for the trainee to understand the difference between open and closed bus and how this is reflected in a FMEA. DP requirements are referenced from MODU Code (09) 4.13 and incorporated by reference to IMO MSC/Circ.645. Note: Circ.645 applies to MODUs built btwn 01Jul94 & 08Jun17, while Circ.1580 applies to MODUs built 09Jun17 & later.

⁽⁷⁾Only one U.S. MODU currently has DP and that MODU is enrolled in ACP. A U.S. MODU that has DP capabilities will normally carry a MODU Safety Certificate and will be in compliance with the MODU Code, in which case the Option C requirements and applicable Classification Society Rules would be followed. Option A MODUs are typically Self-Elevating Units (SEUs).

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

Mobile Offshore Drilling Unit Inspector (MUI)**MODU COI/COC****Dynamic Positioning Examination (DP)****Dynamically-Positioned MODUs****Task:** MUI-DP03 Examine DP's thruster system(s)**Condition:** *Prior to initial Certificate of Compliance and Renewal or during annual DP trials***Standard:** *In accordance with current laws, regulations, policies, procedures and processes*

References:

1. Code for the Construction and Equipment of Mobile Offshore Drilling Units (MODU), 2009
2. IMO MSC/Circ. 645 Guidelines for Vessels with Dynamic Positioning Systems

Steps		U.S./Option A References	Option C References	Initials
DP03.1	Conduct meeting on test procedures	See note below ⁽⁷⁾		
DP03.2	Verify system meets stated classification	See note below ⁽⁷⁾	MODU 09/4.13 IMO MSC/Circ. 645 2.2	
DP03.3	Confirm thrusters are station keeping IAW WSOG	See note below ⁽⁷⁾	IMO MSC/Circ. 645 3.3.1	
DP03.4	Witness standby thruster(s) automatically come on line	See note below ⁽⁷⁾	IMO MSC/Circ. 645 3.3.2	
DP03.5	Verify thruster(s) not in operation are at zero pitch and speed	See note below ⁽⁷⁾	IMO MSC/Circ. 645 3.3.4	
DP03.6	Verify manual thruster controls	See note below ⁽⁷⁾	MODU 09/4.13 IMO MSC/Circ. 645 3.4.1.7	

Verifying Officer Guidance: *Trainee shall demonstrate a working knowledge of the equipment's components, function(s) and operation. DP requirements are referenced from MODU Code (09) 4.13 and incorporated by reference to IMO MSC/Circ. 645. Note: Circ.645 applies to MODUs built btwn 01Jul94 & 08Jun17, while Circ.1580 applies to MODUs built 09Jun17 & later.*

⁽⁷⁾Only one U.S. MODU currently has DP and that MODU is enrolled in ACP. A U.S. MODU that has DP capabilities will normally carry a MODU Safety Certificate and will be in compliance with the MODU Code, in which case the Option C requirements and applicable Classification Society Rules would be followed. Option A MODUs are typically Self Elevating Units (SEU).

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

Mobile Offshore Drilling Unit Inspector (MUI)**MODU COI/COC****Dynamic Positioning Examination (DP)****Dynamically-Positioned MODUs****Task:** MUI-DP04 Examine DP's control systems**Condition:** *Prior to initial Certificate of Compliance and Renewal or during annual DP trials***Standard:** *In accordance with current laws, regulations, policies, procedures and processes*

References:

1. Code for the Construction and Equipment of Mobile Offshore Drilling Units (MODU), 2009
2. IMO MSC/Circ. 645 Guidelines for Vessels with Dynamic Positioning Systems
3. IMO MSC/Circ. 1580 Guidelines for Vessels with Dynamic Positioning Systems

Steps		U.S./Option A References	Option C References	Initials
DP04.1	Witness automatic transfer of operational control to redundant control system	See note below ⁽⁷⁾	IMO MSC/Circ. 645 3.1.4 IMO MSC/Circ. 1580 3.1.4	
DP04.2	Verify audible and visual alarms	See note below ⁽⁷⁾	MODU 09/4.13 IMO MSC/Circ. 645 3.4.1.5 IMO MSC/Circ. 1580 3.4.1.5	
DP04.3	Review alarms records	See note below ⁽⁷⁾	MODU 09/4.13 IMO MSC/Circ. 645 3.4.1.5 IMO MSC/Circ. 1580 3.4.1.5	
DP04.4	Verify arrangements to prevent failures from transferring from one system to another	See note below ⁽⁷⁾	MODU 09/4.13 IMO MSC/Circ. 645 3.4.2.5 & 3.4.1.6 IMO MSC/Circ. 1580 3.4.2.5 & 3.4.1.6	
DP04.5	Verify operation of uninterruptive power supply	See note below ⁽⁷⁾	MODU 09/4.13 IMO MSC/Circ. 645 3.4.2.7 IMO MSC/Circ. 1580 3.4.2.7	

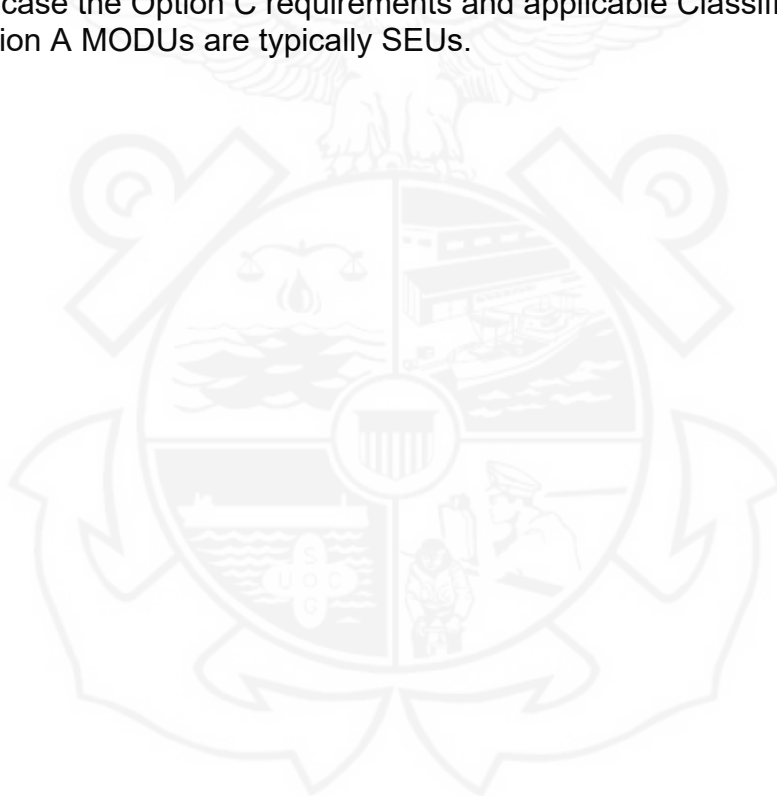
(Task MUI-DP04 continued on next page)

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

DP04.6	Identify vessel position reference systems and sensors	See note below ⁽⁷⁾	MODU 09/4.13 IMO MSC/Circ. 645 3.4.3 thru 3.4.4 IMO MSC/Circ. 1580 3.4.3 thru 3.4.4	
DP04.7	Witness operation of loss of position reference system and sensor alarms	See note below ⁽⁷⁾	MODU 09/4.13 IMO MSC/Circ. 645 3.4.3-3.4.4	

Verifying Officer Guidance: *Trainee shall demonstrate a working knowledge of the equipment's components, function(s) and operation. DP requirements are referenced from MODU Code (09) 4.13 and incorporated by reference to IMO MSC/Circ.645. Note: Circ.645 applies to MODUs built btwn 01Jul94 & 08Jun17, while Circ.1580 applies to MODUs built 09Jun17 & later.*

⁽⁷⁾Only one U.S. MODU currently has DP and that MODU is enrolled in ACP. A U.S. MODU that has DP capabilities will normally carry a MODU Safety Certificate and will be in compliance with the MODU Code, in which case the Option C requirements and applicable Classification Society Rules would be followed. Option A MODUs are typically SEUs.



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

Mobile Offshore Drilling Unit Inspector (MUI)**MODU COI/COC****Heli-Deck Examination (HD)****All MODUs****Task:** MUI-HD01 Inspect/examine helideck**Condition:** *During helideck examination, after giving consideration to the different options of design, equipment, and operating standards that MODUs may comply with***Standard:** *In accordance with current laws, regulations, policies, procedures and processes*

- References:**
1. Title 46, Code of Federal Regulations Part 108 MODU Design & Equipment
 2. CG-ENG Policy Letter 03-15 Acceptance of CAP 437, Standards for Offshore Helicopter Landing Areas
 3. Code for the Construction and Equipment of Mobile Offshore Drilling Units (MODU), 2009
 4. COMDTINST M16000.7B Marine Safety Manual Volume II Material Inspection Ch-2

Steps		U.S./Option A References	Option C References	Initials
HD01.1	Examine operation and arrangement of helicopter deck lights	46 CFR 108.235(d)(4) 46 CFR 108.241(a)(2) CG-ENG Policy Letter 03-15	MODU 09/13.5.20 MODU 09/13.5.22 thru 26 MSM II/G.3.G.10	
HD01.2	Examine periphery netting arrangement and condition	46 CFR 108.235(e) CG-ENG Policy Letter 03-15	MODU 09/13.4.2	
HD01.3	Verify deck markings	46 CFR 108.241(a)(3), (b) CG-ENG Policy Letter 03-15	MODU 09/13.5.5 thru .19	
HD01.4	Verify deck is free of obstructions	46 CFR 108.233(b) & .235(d)(4) CG-ENG Policy Letter 03-15	MODU 09/13.3.2.2 & 13.3.3.2	
HD01.5	Verify condition and accessibility of main and emergency personnel access route	46 CFR 108.235(f) CG-ENG Policy Letter 03-15	MODU 09/13.4.3 & 9.16.3	
HD01.6	Verify structural fire protection requirements	CG-ENG Policy Letter 03-15 NVIC 9-97, CH-1, Encl (1) 5.2 ⁽¹⁾	MODU 09/9.16.2	

(Task MUI-HD01 continued on next page)

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

HD01.7	Verify wind indicator	46 CFR 108.241(a)(1) CG-ENG Policy Letter 03-15	MODU 09/13.5.1 thru .4	
HD01.8	Verify skid-resistant surface	46 CFR 108.235(d)(1) CG-ENG Policy Letter 03-15	MODU 09/13.3.4	
HD01.9	Verify operation of H2S warning light	N/A	MODU 09/13.5.26	

Verifying Officer Guidance: *Trainee shall demonstrate a working knowledge of helideck requirements and components including their function(s) and operation. It is important to note that there may be different requirements because of the unit's build date and examination option (A, B or C). Also, the trainee should know how the U.S. requirements, 89 MODU Code and 79 MODU Code differ from CAP 437, which is incorporated into the 09 MODU Code and accepted as an alternative IAW CG-ENG Policy Letter 03-15.*

⁽¹⁾U.S. MODUs only.



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

Mobile Offshore Drilling Unit Inspector (MUI)**MODU COI/COC****Heli-Deck Examination (HD)****All MODUs****Task:** MUI-HD02 Inspect/examine helideck fire fighting systems**Condition:** *During helideck examination, after giving consideration to the different options of design, equipment, and operating standards that MODUs may comply with***Standard:** *In accordance with current laws, regulations, policies, procedures and processes***References:** 1. Title 46, Code of Federal Regulations Part 108 MODU Design & Equipment
2. Code for the Construction and Equipment of Mobile Offshore Drilling Units (MODU), 2009

Steps		U.S./Option A References	Option C References	Initials
HD02.1	Verify dry powder extinguishers	46 CFR 108.495 & .496(b)(1) 46 CFR Table 108.495	MODU 09/9.16.4.1	
HD02.2	Verify CO2 extinguishers	46 CFR 108.495 & .496(b)(1) 46 CFR Table 108.495	MODU 09/9.16.4.2	
HD02.3	Verify foam is appropriate type	46 CFR 108.487(a) & .489 ⁽⁸⁾	MODU 09/9.16.4.4	
HD02.4	Verify CO2 foam extinguishing system	46 CFR 108.487(a) & .489 ⁽⁸⁾	MODU 09/9.16.4.3	
HD02.5	Verify additional fire-fighting outfits	N/A	MODU 09/9.16.4.6	
HD02.6	Verify additional equipment required	N/A	MODU 09/9.16.4.7	
HD02.7	Verify condition of drainage	46 CFR 108.235(d)(2)	MODU 09/9.16.5	

Verifying Officer Guidance: *Trainee shall demonstrate a working knowledge of the system(s), components including their function(s) and operation. It is important to note that there may be different requirements because of the unit's build date and examination option (A, B or C). Also, the trainee should know how the U.S. requirements, 89 MODU Code and 79 MODU Code differ from CAP 437, which is incorporated into the 09 MODU Code.*

⁽⁸⁾Only required when MODU is equipped with helicopter fueling station.

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

Mobile Offshore Drilling Unit Inspector (MUI)**MODU COI/COC****Heli-Deck Examination (HD)****All MODUs****Task:** MUI-HD03 Inspect/examine refueling station (if equipped)**Condition:** *During helideck examination, after giving consideration to the different options of design, equipment, and operating standards that MODUs may comply with***Standard:** *In accordance with current laws, regulations, policies, procedures and processes*

References:

1. Title 46, Code of Federal Regulations Part 108 MODU Design & Equipment
2. Title 46, Code of Federal Regulations Part 109 MODU Operations
3. Code for the Construction and Equipment of Mobile Offshore Drilling Units (MODU), 2009

Steps		U.S./Option A References	Option C References	Initials
HD03.1	Inspect portable fuel storage tank(s)	46 CFR 108.237 46 CFR 109.577	MODU 09/9.16.6.3 & .4	
HD03.2	Verify tank(s) are remote as practical	46 CFR 108.237(a)	MODU 09/9.16.6.1.1	
HD03.3	Verify tank(s) are isolated from ignition source(s)	46 CFR 108.237(a)	MODU 09/9.16.6.1.2	
HD03.4	Verify tank area(s) have containment	46 CFR 108.237(d) 46 CFR 108.239(f)	MODU 09/9.16.6.2	
HD03.5	Verify emergency shutdown(s)	46 CFR 108.239(e)	MODU 09/9.16.6.5	
HD03.6	Verify pump has running indicator light	46 CFR 108.239(d)	N/A	
HD03.7	Verify unit is outfitted with grounding device	46 CFR 108.239(c)	MODU 09/9.16.6.9	
HD03.8	Verify pumping unit over pressurization device	N/A	MODU 09/9.16.6.8	
HD03.9	Verify signs posted	46 CFR 108.653(a), (b) & (d)	MODU 09/9.16.6.10	

Verifying Officer Guidance: *Trainee shall demonstrate a working knowledge of the system(s), components including their function(s) and operation. It is important to note that there may be different requirements because of the unit's build date and examination option (A, B or C). Also, the trainee should know how the U.S. requirements, 89 MODU Code and 79 MODU Code differ from CAP 437, which is incorporated into the 09 MODU Code.*

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

Mobile Offshore Drilling Unit Inspector (MUI)**MODU COI/COC****Machinery Equipment Examination (MI)****All MODUs****Task:** MUI-MI01 Examine bilge pumps installation, piping, and valves**Condition:** *During machinery equipment examination, after giving consideration to the different options of design, equipment, and operating standards that foreign MODUs may comply with***Standard:** *In accordance with current laws, regulations, policies, procedures and processes***References:**

1. Title 46, Code of Federal Regulations Part 56 Piping Systems & Appurtenances
2. Title 46, Code of Federal Regulations Part 62 Vital System Automation
3. Code for the Construction and Equipment of Mobile Offshore Drilling Units (MODU), 2009

Steps		U.S./Option A References	Option C References	Initials
MI01.1	Examine bilge system components	46 CFR 56.50-50 ⁽¹⁾	MODU 09/4.9.1 MODU 09/4.9.3	
MI01.2	Verify system arrangement(s) including flooding protection	46 CFR 56.50-50(c)(1), (3) & (f)(6) ⁽¹⁾	MODU 09/4.9.1 MODU 09/4.9.8.1 MODU 09/4.11	
MI01.3	Verify valve indicators	46 CFR 56.50-1(g)(2)(iii) ⁽¹⁾	MODU 09/4.9.6 MODU 09/3.6.2	
MI01.4	Witness operation of alarms	46 CFR 62.35-10(c) ⁽⁵⁾	MODU 09/8.4	

Verifying Officer Guidance: *Trainee shall demonstrate a working knowledge of the equipment's arrangement(s), components, function(s) and operation. Trainee should have a basic understanding of engineering principles and concepts. For trainees without prior engineering experience or training, they may find it valuable to complete the on-line Machinery Inspector course.*

⁽¹⁾U.S. MODUs only. ⁽⁵⁾Only one U.S. MODU currently is self-propelled and that MODU is enrolled in ACP. A U.S. MODU that is self-propelled will normally carry a MODU Safety Certificate and relevant SOLAS certificates, attesting to compliance with the MODU Code and SOLAS, in which case the Option C requirements and applicable Classification Society Rules would be followed. Option A MODUs are typically SEUs.

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

Mobile Offshore Drilling Unit Inspector (MUI)**MODU COI/COC****Machinery Equipment Examination (MI)****Column-Stabilized Units**

Task: MUI-MI02 Examine ballast pumps installation, piping and valves

Condition: During machinery equipment examination, after giving consideration to the different options of design, equipment, and operating standards that MODUs may comply with

Standard: In accordance with current laws, regulations, policies, procedures and processes

References:

1. Title 46, Code of Federal Regulations Part 56 Piping Systems & Appurtenances
2. Title 46, Code of Federal Regulations Part 112 Emergency Lighting & Power Systems
3. Code for the Construction and Equipment of Mobile Offshore Drilling Units (MODU), 2009

Steps		U.S./Option A References	Option C References	Initials
MI02.1	Verify pump local/remote arrangement(s)	N/A	MODU 09/4.10.11 & .12	
MI02.2	Verify emergency power requirements	46 CFR 112.15-5(q) ⁽¹⁾	MODU 09/4.10.6 MODU 09/5.4.6.7	
MI02.3	Verify local/remote valve operation	46 CFR 56.50-1(g)(1) ⁽¹⁾	MODU 09/4.10.13	
MI02.4	Verify piping material and condition	46 CFR 56.60-20(a) ⁽¹⁾	MODU 09/4.10.7	
MI02.5	Verify Ballast Control Station arrangements	N/A	MODU 09/4.10.10	
MI02.6	Verify marking(s) of components	46 CFR 56.50-1(g)(2)(i) ⁽¹⁾	MODU 09/4.10.8	
MI02.7	Verify tank level indicator(s) and draft reading operation	N/A	MODU 09/4.10.14 & .15	

Verifying Officer Guidance: Trainee shall demonstrate a working knowledge of the equipment's arrangement(s), components, function(s) and operation. Trainee should have a basic understanding of engineering principles and concepts. For trainees without prior engineering experience or training, they may find it valuable to complete the on-line Machinery Inspector course.

⁽¹⁾U.S. MODUs only.

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

EMPLID:

Verifying Officer's Signature:

Date:

Mobile Offshore Drilling Unit Inspector (MUI)**MODU COI/COC****Machinery Equipment Examination (MI)****All MODUs****Task:** MUI-MI03 Inspect/examine oil/fuel service and transfer system(s)**Condition:** *During machinery equipment examination, after giving consideration to the different options of design, equipment, and operating standards that foreign MODUs may comply with***Standard:** *In accordance with current laws, regulations, policies, procedures and processes*

- References:**
1. Title 33, Code of Federal Regulations Part 155 Oil or Hazardous Material Pollution Prevention Regulations for Vessels
 2. Title 46, Code of Federal Regulations Part 56 Piping Systems & Appurtenances
 3. Title 46, Code of Federal Regulations Part 58 Main & Auxiliary Machinery & Related Systems
 4. Title 46, Code of Federal Regulations Part 61 Marine Engineering - Periodic Tests & Inspections
 5. Title 46, Code of Federal Regulations Part 62 Vital System Automation
 6. COMDTINST M16000.7B Marine Safety Manual Volume II Material Inspection Ch-2
 7. Code for the Construction and Equipment of Mobile Offshore Drilling Units, 2009

Steps		U.S./Option A References	Option C References	Initials
MI03.1	Verify condition	46 CFR 61.20-3 46 CFR 56.50-75 & -60 ⁽¹⁾	MODU 09/4.8.4	
MI03.2	Verify arrangement of system(s)	46 CFR 56.50-75 & -60 ⁽¹⁾	MODU 09/4.8.1 - .3 MODU 09/4.8.6	
MI03.3	Verify condition of tank vent(s)	46 CFR 56.50-75 & -60 ⁽¹⁾	MODU 09/4.8.5	
MI03.4	Verify arrangement of pressurized fuel piping	46 CFR 62.50-30(i) ⁽⁹⁾	MODU 09/4.8.7 MODU 09/8.3.1	
MI03.5	Verify means to prevent overflow spillage	33 CFR 155.320 46 CFR 56.50-90 ⁽¹⁾ MSM II/G.3.A.7 ⁽²⁾	MODU 09/8.3.2	
MI03.6	Verify high temperature alarm	46 CFR 62.35-40(c)	MODU 09/8.3.3	
MI03.7	Witness test of remote operated valve(s)	46 CFR 56.50-75 & -60(d) ⁽¹⁾	MODU 09/9.15.3	

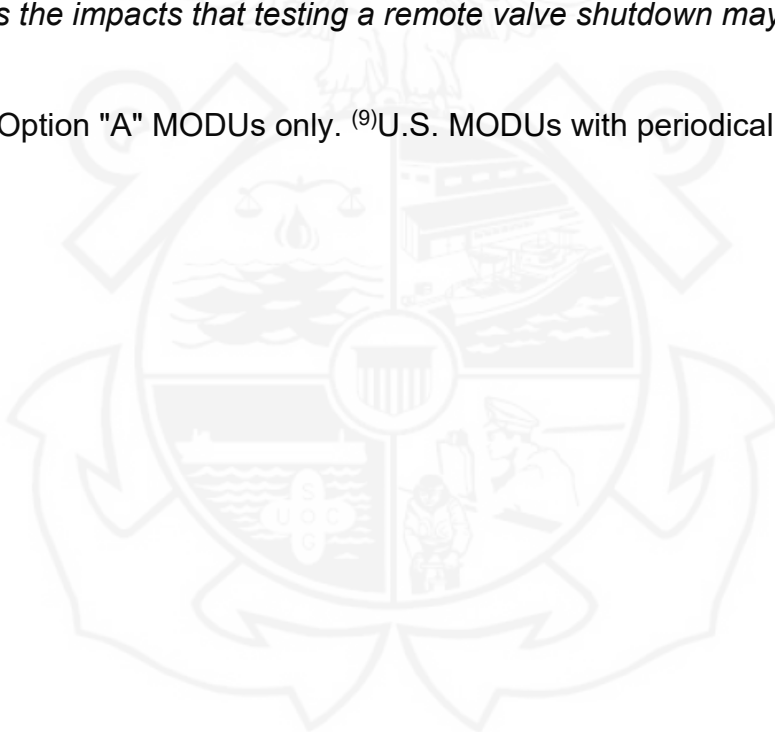
(Task MUI-MI03 continued on next page)

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

MI03.8	Verify transfer procedures are posted or available	33 CFR 155.720 & .740(c) MSM II/B.6.D.16 MSM II/G.3.A.7 ⁽²⁾	MODU 09/14.1.3.6	
MI03.9	Verify flange or mechanical joints are fitted with a suitable shield	46 CFR 56.50-60(j) ⁽¹⁾	MODU 09/4.1.1	
MI03.10	Inspect nonmetallic flexible hoses and fittings	46 CFR 56.50-60(b)(2)(i) & (3) ⁽¹⁾ 46 CFR 56.60-25(b) ⁽¹⁾	MODU 09/4.8.4	
MI03.11	Verify operation of transfer pumps and remote shutdowns	46 CFR 58.01-25 ⁽¹⁾	MODU 09/9.15.2	

Verifying Officer Guidance: *Trainee shall demonstrate a working knowledge of the equipment's arrangement(s), components, function(s) and operation. Trainee should have a basic understanding of engineering principles and concepts. For trainees without prior engineering experience or training, they may find it valuable to complete the on-line Machinery Inspector course. It is very important that the trainee understands the impacts that testing a remote valve shutdown may have on any real-time MODU operations.*

⁽¹⁾U.S. MODUs only. ⁽²⁾Option "A" MODUs only. ⁽⁹⁾U.S. MODUs with periodically unattended machinery space.



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

Mobile Offshore Drilling Unit Inspector (MUI)**MODU COI/COC****Machinery Equipment Examination (MI)****All MODUs****Task:** MUI-MI04 Inspect/examine Unfired Pressure Vessels (UPVs)**Condition:** During machinery equipment examination, after giving consideration to the different options of design, equipment, and operating standards that MODUs may comply with**Standard:** In accordance with current laws, regulations, policies, procedures and processes

- References:**
1. Title 46, Code of Federal Regulations Part 54 Pressure Vessels
 2. Title 46, Code of Federal Regulations Part 61 Marine Engineering - Periodic Tests & Inspections
 3. American Society of Mechanical Engineers (ASME) Boiler and Pressure Vessel Code, 2000
 4. Code for the Construction and Equipment of Mobile Offshore Drilling Units (MODU), 2009
 5. COMDTINST M16000.7B Marine Safety Manual Volume II Material Inspection Ch-2
 6. BSEE/USCG MOA OCS-08 Mobile Offshore Drilling Units (MODUs)

Steps		U.S./Option A References	Option C References	Initials
MI04.1	Determine applicability	46 CFR 54.01-5 ⁽¹⁾ MOA OCS-08 Annex 1/22.J	MSM II/G.3.G.4 MOA OCS-08 Annex 1/22.J	
MI04.2	Verify arrangement of Pressure Relief Valve(s) (PRV)	46 CFR 54.15-5(a), (c), (e) & (i) ⁽¹⁾	MODU 09/4.3.4 MODU 09/4.7.1	
MI04.3	Verify marking(s) of PRV	46 CFR 54.10-20 ⁽¹⁾ 46 CFR 54.15-1(b) ⁽¹⁾	MSM II/G.3.G.4 MODU 09/2.1.3 > Class Rules	
MI04.4	Verify arrangement of UPV	46 CFR 61.10-5(b)(2) ⁽¹⁾	MODU 09/4.3.2 MSM II/G.3.G.4	
MI04.5	Verify marking(s) of UPV	46 CFR 54.10-20 ⁽¹⁾	MSM II/G.3.G.4 ASME VIII/UG-118 thru 119	
MI04.6	Examine external condition of UPV	46 CFR 54.10-5(b)(1) ⁽¹⁾	MSM II/G.3.G.4 MODU 09/2.1.3 > Class Rules	

Verifying Officer Guidance: Trainee shall demonstrate a working knowledge of the equipment's arrangement(s), components, function(s) and operation. Trainee should have a basic understanding of engineering principles and concepts. For trainees without prior engineering experience or training, they may find it valuable to complete the on-line Machinery Inspector course. Trainee must also understand that some UPVs are inspected by other agencies, such as BSEE. Notes: (1) MODU Code Annex 22.J is not considered to include pressure vessels and (2) refer to card CD-10 for additional information.

⁽¹⁾U.S. MODUs only.

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

Mobile Offshore Drilling Unit Inspector (MUI)**MODU COI/COC****Machinery Equipment Examination (MI)****Self-Propelled MODUs**

Task: MUI-MI05 Inspect/examine steering gear assembly and operation

Condition: During machinery equipment examination, after giving consideration to the different options of design, equipment, and operating standards that MODUs may comply with

Standard: In accordance with current laws, regulations, policies, procedures and processes

References: 1. Code for the Construction and Equipment of Mobile Offshore Drilling Units (MODU), 2009

Steps		U.S./Option A References	Option C References	Initials
MI05.1	Examine condition of steering gear system	N/A ⁽⁵⁾	MODU 09/1.6.2.2	
MI05.2	Verify automatic start after power failure	N/A ⁽⁵⁾	MODU 09/7.5.5	
MI05.3	Verify accuracy of rudder angle indicator	N/A ⁽⁵⁾	MODU 09/7.5.16	
MI05.4	Verify non-conventional rudder arrangements (thrusters)	N/A ⁽⁵⁾	MODU 09/7.5.18	
MI05.5	Verify running indication for motors	N/A ⁽⁵⁾	MODU 09/7.6.1	
MI05.6	Verify operation of means of communications	N/A ⁽⁵⁾	MODU 09/7.5.14	
MI05.7	Witness functional system tests	N/A ⁽⁵⁾	MODU 09/7.5.3 MODU 09/7.5.7	

Verifying Officer Guidance: Trainee shall demonstrate a working knowledge of the equipment's arrangement(s), components, function(s) and operation. Trainee should have a basic understanding of engineering principles and concepts. For trainees without prior engineering experience or training, they may find it valuable to complete the on-line Machinery Inspector course. Note: On a DP thruster-propelled unit, the above steps will apply to the two azimuth thrusters that are identified as the primary steering units.

⁽⁵⁾Only one U.S. MODU currently is self-propelled and that MODU is enrolled in ACP. A U.S. MODU that is self-propelled will normally carry a MODU Safety Certificate and relevant SOLAS certificates, attesting to compliance with the MODU Code and SOLAS, in which case the Option "C" requirements and applicable Classification Society Rules would be followed. Option "A" MODUs are typically self elevated units.

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

EMPLID:

Verifying Officer's Signature:

Date:

Mobile Offshore Drilling Unit Inspector (MUI)**MODU COI/COC****Machinery Equipment Examination (MI)****All MODUs**

Task: MUI-MI06 Inspect/examine main service and propulsion generator(s) and prime mover(s)

Condition: During machinery equipment examination, after giving consideration to the different options of design, equipment, and operating standards that MODUs may comply with

Standard: In accordance with current laws, regulations, policies, procedures and processes

- References:**
1. Title 46, Code of Federal Regulations Part 58 Main & Auxiliary Machinery & Related Systems
 2. Title 46, Code of Federal Regulations Part 61 Marine Engineering - Periodic Tests & Inspections
 3. Title 46, Code of Federal Regulations Part 62 Vital System Automation
 4. Title 46, Code of Federal Regulations Parts 108, 111 & 112
 5. Code for the Construction and Equipment of Mobile Offshore Drilling Units (MODU), 2009
 6. IMO MSC/Circ. 834 Guidelines for Engine-Room Layout, Design & Arrangement
 7. Classification Society Rules

Steps		U.S./Option A References	Option C References	Initials
MI06.1	Verify condition of components	46 CFR 61.20-3(a) ⁽¹⁾	MODU 09/4.1.3 IMO MSC/Circ. 834	
MI06.2	Verify installation of machinery covers and guards	46 CFR 108.223	MODU 09/4.1.3	
MI06.3	Verify required gauges	46 CFR 58.01-5 & 10-10 ⁽¹⁾ Class Society Rules	MODU 09/4.1	
MI06.4	Verify set point and operation of over speed shut-down	46 CFR 111.12-1(b) ⁽¹⁾	MODU 09/4.3.3 & .8.9	
MI06.5	Verify set point and operation of low lube oil pressure shut-down	46 CFR 111.12-1(c) ⁽¹⁾	MODU 09/4.3.7 & .8.9	
MI06.6	Verify set point and operation of high jacket water temperature alarm	46 CFR 58.01-5, .10-10 ⁽¹⁾ ABS SVR (2003) 4-2-1/7.17	MODU 09/4.3.7 & .8.9	

(Task MUI-MI06 continued on next page)

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

MI06.7	Verify operation of reverse power relays	46 CFR 111.12-11(f) ⁽¹⁾	MODU 09/5.3.7.2	
MI06.8	Verify means to bring vessel into operation from a dead ship condition	46 CFR 112.05-1(b)(3) ⁽¹⁾	MODU 09/4.3.9	
MI06.9	Verify manual override activation indicators	46 CFR 62.25-1(a) & -10(3) ⁽³⁾	MODU 09/4.6.2	

Verifying Officer Guidance: *Trainee shall demonstrate a working knowledge of the equipment's arrangement(s), components, function(s) and operation. Trainee should have a basic understanding of engineering principles and concepts. For trainees without prior engineering experience or training, they may find it valuable to complete the on-line Machinery Inspector course. Trainee also needs to understand the how the various examination options (A, B or C) and pertinent Classification Society rules affect installation, equipment type, testing, etc. Note: All machinery shut-off set points should be IAW Manufacturer's instruction and relevant Classification Society Rules.*

⁽¹⁾U.S. MODUs only. ⁽³⁾U.S. MODUs on an international voyage only.



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

Mobile Offshore Drilling Unit Inspector (MUI)**MODU COI/COC****Machinery Equipment Examination (MI)****All MODUs****Task:** MUI-MI07 Inspect/examine emergency generator(s) and prime mover(s)**Condition:** *During machinery equipment examination, after giving consideration to the different options of design, equipment, and operating standards that MODUs may comply with***Standard:** *In accordance with current laws, regulations, policies, procedures and processes*

- References:**
1. Title 46, Code of Federal Regulations Part 56 Piping Systems & Appurtenances
 2. Title 46, Code of Federal Regulations Part 58 Main & Auxiliary Machinery & Related Systems
 3. Title 46, Code of Federal Regulations Parts 61, 111 & 112
 4. Code for the Construction and Equipment of Mobile Offshore Drilling Units, 2009
 5. IMO MSC/Circ. 834 Guidelines for Engine-Room Layout, Design & Arrangement
 6. IMO Resolution A.1021(26) Code on Alerts & Indicators, 2009
 7. COMDTINST M16000.7B Marine Safety Manual Volume II Material Inspection Ch-2

Steps		U.S./Option A References	Option C References	Initials
MI07.1	Determine requirement	46 CFR 112.05-5 ⁽¹⁾	MODU 09/5.4	
MI07.2	Examine condition of components	46 CFR 61.20-3(a) ⁽¹⁾	MODU 09/4.1.3 IMO MSC/Circ. 834 Class Society Rules	
MI07.3	Verify installation of machinery covers and guards	46 CFR 58.01-20 ⁽¹⁾	MODU 09/4.1.3 IMO MSC/Circ. 834	
MI07.4	Verify starting system(s)	46 CFR 112.50-1(e) ⁽¹⁾ 46 CFR 112.50-3 thru .50-7 ⁽¹⁾	MODU 09/5.5	
MI07.5	Verify two starting resources	46 CFR 112.50-1(k) ⁽¹⁾	MODU 09/5.5.2	
MI07.6	Verify operation of auto-start function	46 CFR 112.50-1(d) & (k) ⁽¹⁾ MSM II/B.1.L.2 ⁽¹⁾	MODU 09/5.4.8	
MI07.7	Verify required gauges	46 CFR 58.03-1(c) ⁽¹⁾ ABS Rules 4-2-1/7.17 ⁽¹⁾	MODU 09/2.1.3 IMO Res A.1021(26)	
MI07.8	Verify operation of remote fuel shutoff valve	46 CFR 56.50-75 & -60(d) ⁽¹⁾	MODU 09/9.15.3	

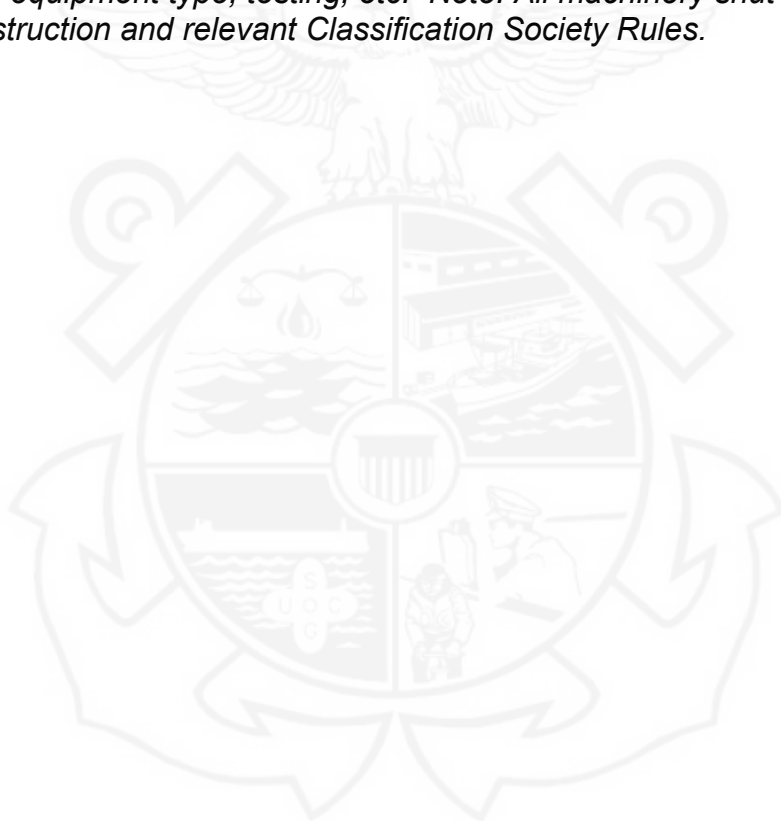
(Task MUI-MI07 continued on next page)

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

MI07.9	Verify set point and operation of over speed shut-down	46 CFR 111.12-1(b) & .50-(g) ⁽¹⁾	MODU 09/2.1.3 & 4.3.7 IMO Res A.1021(26) Class Society Rules	
MI07.10	Verify set point and operation of lube oil pressure shut-down	46 CFR 112.50-1(g) ⁽¹⁾	MODU 09/2.1.3 & 4.3.7	
MI07.11	Verify set point and operation of high jacket water temperature alarm	46 CFR 112.50-1(h) ⁽¹⁾	MODU 09/4.3.7	

Verifying Officer Guidance: *Trainee shall demonstrate a working knowledge of the equipment's arrangement(s), components, function(s) and operation. Trainee should have a basic understanding of engineering principles and concepts. For trainees without prior engineering experience or training, they may find it valuable to complete the on-line Machinery Inspector course. Trainee also needs to understand the how the various examination options (A, B or C) and pertinent Classification Society rules affect installation, equipment type, testing, etc. Note: All machinery shut-off set points should be IAW Manufacturer's instruction and relevant Classification Society Rules.*

⁽¹⁾U.S. MODUs only.



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

Mobile Offshore Drilling Unit Inspector (MUI)**MODU COI/COC****Electrical Systems Examination (ES)****All MODUs****Task:** MUI-ES01 Inspect/examine switchboards**Condition:** *During electrical system equipment examination, after giving consideration to the different options of design, equipment, and operating standards that foreign MODUs may comply with***Standard:** *In accordance with current laws, regulations, policies, procedures and processes*

- References:**
1. Title 46, Code of Federal Regulations Part 111 Electric Systems General Requirements
 2. Institute of Electrical and Electronic Engineers (IEEE) Std 45, Recommended Practice for Electrical Installations on Shipboard
 3. Code for the Construction and Equipment of Mobile Offshore Drilling Units, 2009
 4. Class Society Rules
 5. International Electrotechnical Commission (IEC) 60529 International Protection Marking (IP Code)

Steps		U.S./Option A References	Option C References	Initials
ES01.1	Verify openings and accesses in switchboard are guarded	46 CFR 111.40-9 ⁽¹⁾	MODU 09/5.6.3 & .5 IEC 60529	
ES01.2	Verify non-conductive mats or gratings	46 CFR 111.30-11 ⁽¹⁾	MODU 09/5.6.5	
ES01.3	Verify condition of meters, controls, and gauges	46 CFR 111.30-25(b)(4),(5) ⁽¹⁾ 46 CFR 111.30-25(e)(2) ⁽¹⁾	MODU 09/5.7.1	
ES01.4	Verify markings	46 CFR 111.30-15 ⁽¹⁾	MODU 09/5.6.14	
ES01.5	Verify equipment for parallel operation	46 CFR 111.30-25(d) ⁽¹⁾	MODU 09/5.3.7	
ES01.6	Verify ground detection	46 CFR 111.30-25(e)(1) ⁽¹⁾	MODU 09/5.6.7	
ES01.7	Verify rear access control	46 CFR 111.30-1 ⁽¹⁾ IEEE Std 45/8.2 ⁽¹⁾ 46 CFR 111.30-3 ⁽¹⁾ & -5(b) ⁽¹⁾	MODU 09/5.6.5	
ES01.8	Verify drip shields present		MODU 09/2.1.3 Class Society Rules	

Verifying Officer Guidance: *Trainee shall demonstrate a working knowledge of the equipment's components, function(s) and operation. In particular, trainee needs to know how the U.S. requirements, 89 MODU Code and 79 MODU Code differ from the 09 MODU Code.*

⁽¹⁾U.S. MODUs only.

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

Mobile Offshore Drilling Unit Inspector (MUI)**MODU COI/COC****Electrical Systems Examination (ES)****All MODUs****Task:** MUI-ES02 Inspect/examine motor controllers**Condition:** *During electrical system equipment examination, after giving consideration to the different options of design, equipment, and operating standards that MODUs may comply with***Standard:** *In accordance with current laws, regulations, policies, procedures and processes*

- References:**
1. Title 46, Code of Federal Regulations Part 111 Electric Systems General Requirements
 2. Code for the Construction and Equipment of Mobile Offshore Drilling Units (MODU), 2009
 3. International Electrotechnical Commission (IEC) 60529 International Protection Marking (IP Code)
 4. Class Society Rules

Steps		U.S./Option A References	Option C References	Initials
ES02.1	Verify condition of enclosure	46 CFR 111.01-1(a)(2) ⁽¹⁾	MODU 09/5.1.1.4	
ES02.2	Verify markings	46 CFR 111.70-3(d) ⁽¹⁾	MODU 09/5.6.14	
ES02.3	Verify drip-proof/watertight	46 CFR 111.95-3(a) ⁽¹⁾	MODU 09/5.6.21 & 2.1.3 IEC 60529 Class Society Rules	

Verifying Officer Guidance: *Trainee shall demonstrate a working knowledge of the equipment's components, function(s) and operation. In particular, trainee needs to know how the U.S. requirements, 89 MODU Code and 79 MODU Code differ from the 09 MODU Code.*

⁽¹⁾U.S. MODUs only.**Inspector's Name:** (Last, First, Initial)**EMPLID:****Verifying Officer's Signature:****Date:**

Mobile Offshore Drilling Unit Inspector (MUI)**MODU COI/COC****Electrical Systems Examination (ES)****All MODUs**

Task: MUI-ES03 Inspect/examine controls and alarms for unattended machinery spaces (when applicable)

Condition: During electrical system examination, after giving consideration to the different options of design, equipment, and operating standards that MODUs may comply with

Standard: In accordance with current laws, regulations, policies, procedures and processes

References: 1. Code for the Construction and Equipment of Mobile Offshore Drilling Units (MODU), 2009

Steps		U.S./Option A References	Option C References	Initials
ES03.1	Verify administration approved documentation	N/A ⁽⁷⁾	MODU 09/8.2.5	
ES03.2	Witness fire detection system alarms	N/A ⁽⁷⁾	MODU 09/9.10.3.1	
ES03.3	Verify engineer's alarm is operational	N/A ⁽⁷⁾	MODU 09/8.7.1.2	
ES03.4	Verify malfunction of any machinery or boiler operations initiates automatic shutdown	N/A ⁽⁷⁾	MODU 09/8.9	
ES03.5	Verify operation of Oil Mist Detection system	N/A ⁽⁷⁾	MODU 09/8.3.7	

Verifying Officer Guidance: Trainee shall demonstrate a working knowledge of the equipment's components, function(s) and operation. Trainee also must understand the use and general configuration requirements of control systems for unattended machinery spaces.

⁽⁷⁾Only one U.S. MODU currently has DP and that MODU is enrolled in ACP. A U.S. MODU that has DP capabilities will normally carry a MODU Safety Certificate and will be in compliance with the MODU Code, in which case the Option C requirements and applicable Classification Society Rules would be followed. Option A MODUs are typically SEUs.

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

EMPLID:

Verifying Officer's Signature:

Date:

Mobile Offshore Drilling Unit Inspector (MUI)**MODU COI/COC****Electrical Systems Examination (ES)****All MODUs****Task:** MUI-ES04 Inspect/examine hazardous location plan**Condition:** *During electrical system examination, after giving consideration to the different options of design, equipment, and operating standards that MODUs may comply with***Standard:** *In accordance with current laws, regulations, policies, procedures and processes*

- References:**
1. Title 46, Code of Federal Regulations Part 107 MODU Inspection & Certification
 2. Title 46, Code of Federal Regulations Part 108 MODU Design & Equipment
 3. Title 46, Code of Federal Regulations Part 109 MODU Operations
 4. Title 46, Code of Federal Regulations Part 110 Electrical Engineering - General Provisions
 5. Code for the Construction and Equipment of Mobile Offshore Drilling Units, 2009
 6. COMDTINST M16000.7B Marine Safety Manual Volume II Material Inspection Ch-2

Steps		U.S./Option A References	Option C References	Initials
ES04.1	Verify presence of plan	46 CFR 109.121(23) 46 CFR 110.25-1(i) ⁽¹⁾	MODU 09/14.1.2.15	
ES04.2	Verify plan approval	46 CFR 107.305(aa) ⁽¹⁾ 46 CFR 110.25-1(i) ⁽¹⁾ MSM II/G.3.F	MODU 09/14.1 MSM II/G.3.F	
ES04.3	Verify plan identifies all hazardous areas	46 CFR 108.170 thru .175 46 CFR 110.25-1(i) ⁽¹⁾	MODU 09/6.1 thru 6.3	

Verifying Officer Guidance: *Trainee shall demonstrate a working knowledge of the equipment's components, function(s) and operation. In particular, trainee needs to know how the U.S. requirements, 89 MODU Code and 79 MODU Code differ from the 09 MODU Code.*

⁽¹⁾U.S. MODUs only.

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

EMPLID:
Verifying Officer's Signature:
Date:

Mobile Offshore Drilling Unit Inspector (MUI)**MODU COI/COC****Electrical Systems Examination (ES)****All MODUs**

Task: MUI-ES05 Inspect/examine intrinsically safe electrical equipment in hazardous locations

Condition: During electrical system examination, after giving consideration to the different options of design, equipment, and operating standards that MODUs may comply with

Standard: In accordance with current laws, regulations, policies, procedures and processes

- References:**
1. Title 46, Code of Federal Regulations Part 111 Electric Systems General Requirements
 2. NFPA 70 National Electrical Code (NEC) 500-505
 3. International Electrotechnical Commission (IEC) 60079-series Electrical Apparatus for Explosive Gas Atmosphere
 4. UL 913 Standard for Intrinsically Safe Apparatus & Associated Apparatus for Use in Class I, II & III, Division 1, Hazardous (Classified) Locations, 2002
 5. Code for the Construction and Equipment of Mobile Offshore Drilling Units, 2009

Steps		U.S./Option A References	Option C References	Initials
ES05.1	Verify components/equipment are approved	46 CFR 111.105-11 ⁽¹⁾ UL 913; IEC 60079-11 IEC 60079-14	MODU 09/6.6.3 IEC 60079-14 & -25	
ES05.2	Verify intrinsically safe components (cables, boxes, etc.) are separated from non-intrinsically safe equipment	46 CFR 111.105-11(b) ⁽¹⁾ NEC 504.30(A)(3) IEC 60079-11 (6.3)	MODU 09/6.6.3 IEC 60079-14/12.1	
ES05.3	Verify equipment labeling	46 CFR 111.105-3 ⁽¹⁾ & .108-3 IEC 60079-11 (12.2) NEC 504.80(C)	MODU 09/6.6.3 IEC 60079-14/5	
ES05.4	Verify equipment has approved control drawings	46 CFR 111.105-1 NEC 500.2 & 504.10(A) IEC 60079-11 (13)	MODU 09/6.6.3 IEC 60079-14/4.2 & 12.2.5.1	

Verifying Officer Guidance: Trainee shall demonstrate a working knowledge of the equipment's components, function(s) and operation.

⁽¹⁾U.S. MODUs only.

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

EMPLID:

Verifying Officer's Signature:

Date:

Mobile Offshore Drilling Unit Inspector (MUI)**MODU COI/COC****Electrical Systems Examination (ES)****All MODUs**

Task: MUI-ES06 Inspect/examine non-intrinsically safe electrical equipment in hazardous locations

Condition: During electrical system examination, after giving consideration to the different options of design, equipment, and operating standards that MODUs may comply with

Standard: In accordance with current laws, regulations, policies, procedures and processes

- References:**
1. Title 46, Code of Federal Regulations Part 108 MODU Design & Equipment
 2. Title 46, Code of Federal Regulations Part 111 Electric Systems General Requirements
 3. NFPA 496 Standard for Purged and Pressurized Enclosures for Electrical Equipment
 4. NFPA 70 National Electrical Code (NEC) 500-505
 5. International Electrotechnical Commission (IEC) 60079-series Electrical Apparatus for Explosive Gas Atmosphere
 6. International Electrotechnical Commission (IEC) 60529 International Protection Marking (IP Code)
 7. Code for the Construction and Equipment of Mobile Offshore Drilling Units, 2009

Steps		U.S./Option A References	Option C References	Initials
ES06.1	Verify installed equipment is listed, certified or purged	46 CFR 108.170 46 CFR 111.105-7 ⁽¹⁾ 46 CFR 111.108-3	MODU 09/6.6	
ES06.2	Confirm equipment as marked is acceptable for location installed (Zone or Division)	46 CFR 111.105-3,-5 & -1 ⁽¹⁾ NEC 500.7 & 505.9 ⁽¹⁾ 46 CFR 111.108-3	MODU 09/6.6 IEC 60079-14/5	
ES06.3	Verify no unauthorized modifications or damage	46 CFR 111.105-3 & .105-5 ⁽¹⁾ NEC 500.8 ⁽¹⁾ 46 CFR 111.108-3	N/A	
ES06.4	Verify equipment has appropriate surface temperature class for gases or vapors that could be encountered in that space	46 CFR 111.105-1, -3 & -17 ⁽¹⁾ NEC 500.8 ⁽¹⁾	MODU 09/6.6 IEC 60079-14/5.6	
ES06.5	Verify wiring method	46 CFR 111.105-1 ⁽¹⁾ 46 CFR 111.108-3 NEC 501.4 ⁽¹⁾	MODU 09/6.6 IEC 60079-14/9	

(Task MUI-ES06 continued on next page)

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

ES06.6	Verify all cable entries are approved	46 CFR 111.105-1, -17(c) & (d) ⁽¹⁾ 46 CFR 111.108-3 NEC 501.4 ⁽¹⁾	MODU 09/6.6 IEC 60079-14/9.4	
ES06.7	Verify equipment is protected against water and particulate ingress	46 CFR 111.01-9 ⁽¹⁾ 46 CFR 111.108-3 IEC 60529 ⁽¹⁾	MODU 09/6.6 IEC 60079-14/11.1, 14.2	
ES06.8	Verify arrangement for purged and pressurized equipment	46 CFR 111.105-7(b) ⁽¹⁾ 46 CFR 111.108-3 NFPA 496; IEC 60079-2 ⁽¹⁾	MODU 09/6.6 IEC 60079-14/13	
ES06.9	Verify no obstructions around flameproof enclosures	46 CFR 111.105-9 ⁽¹⁾ 46 CFR 111.108-3 IEC 60079-1; NEC 505.7 ⁽¹⁾	MODU 09/6.6 IEC 60079-14/10	
ES06.10	Verify fans for ventilation are non-sparking type	46 CFR 111.105-21 ⁽¹⁾ 46 CFR 111.108-3	MODU 09/6.6 IEC 60079-14/6	

Verifying Officer Guidance: *Trainee shall demonstrate a working knowledge of the equipment's components, function(s) and operation.*

⁽¹⁾U.S. MODUs only.

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

EMPLID:

Verifying Officer's Signature:

Date:

Mobile Offshore Drilling Unit Inspector (MUI)**MODU COI/COC****Electrical Systems Examination (ES)****All MODUs****Task:** MUI-ES07 Inspect/examine machinery in hazardous areas**Condition:** *During electrical system examination, after giving consideration to the different options of design, equipment, and operating standards that MODUs may comply with***Standard:** *In accordance with current laws, regulations, policies, procedures and processes*

- References:**
1. Title 46, Code of Federal Regulations Part 108 MODU Design & Equipment
 2. Title 46, Code of Federal Regulations Part 111 Electric Systems General Requirements
 3. American Society for Testing and Materials (ASTM) F2876-10 Standard Practice for Thermal Rating and Installation of Internal Combustion Engine Packages for use in Hazardous Locations in Marine Applications
 4. Code for the Construction and Equipment of Mobile Offshore Drilling Units (MODU), 2009

Steps		U.S./Option A References	Option C References	Initials
ES07.1	Identify hazardous locations	46 CFR 108.170 thru 175 46 CFR 111.105-33 ⁽¹⁾	MODU 09/6.2	
ES07.2	Verify machinery is approved	46 CFR 111.108-3(g) ⁽¹⁰⁾ ASTM F2876-10/9	MODU 09/6.7.3	
ES07.3	Verify fire equipment is approved	N/A	MODU 09/6.7.4	

Verifying Officer Guidance: *Trainee must understand the risks that machinery installed in hazardous areas pose. Trainee shall demonstrate a working knowledge of the equipment's components, function(s) and operation. In particular, trainee needs to know how the U.S. requirements, 89 MODU Code and 79 MODU Code differ from the 09 MODU Code.*

⁽¹⁾U.S. MODUs only. ⁽¹⁰⁾MODUs constructed after 02 April 2018.

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

Mobile Offshore Drilling Unit Inspector (MUI)**MODU COI/COC****Electrical Systems Examination (ES)****All MODUs**

Task: MUI-ES08 Inspect/examine openings, access and ventilation conditions in hazardous areas

Condition: *During hazardous area examination, after giving consideration to the different options of design, equipment, and operating standards that MODUs may comply with*

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

References: 1. Title 46, Code of Federal Regulations Part 108 MODU Design & Equipment
2. Code for the Construction and Equipment of Mobile Offshore Drilling Units, 2009

Steps		U.S./Option A References	Option C References	Initials
ES08.1	Verify arrangement of hazardous area openings	46 CFR 108.171 thru 175	MODU 09/6.3	
ES08.2	Verify arrangements for ventilation	46 CFR 108.185	MODU 09/6.4	
ES08.3	Examine condition of boundaries	46 CFR 108.171 thru 175	MODU 09/6.3	
ES08.4	Verify alarms	46 CFR 108.175(a)(3), (b)(3) & (c)(3)	MODU 09/6.3.1.3, 2.3 & 3.3	

Verifying Officer Guidance: *Trainee shall demonstrate a working knowledge of the equipment's components, function(s) and operation. In particular, trainee needs to know how the U.S. requirements, 89 MODU Code and 79 MODU Code differ from the 09 MODU Code.*

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

EMPLID:

Verifying Officer's Signature:

Date:

Mobile Offshore Drilling Unit Inspector (MUI)**MODU COI/COC****Electrical Systems Examination (ES)****All Option C MODUs****Task:** MUI-ES09 Examine rig emergency shutdown(s)**Condition:** *During electrical system examination, after giving consideration to the different options of design, equipment, and operating standards that MODUs may comply with***Standard:** *In accordance with current laws, regulations, policies, procedures and processes***References:** 1. Code for the Construction and Equipment of Mobile Offshore Drilling Units (MODU), 2009

Steps		U.S./Option A References	Option C References	Initials
ES09.1	Verify location(s) of activation points	N/A	MODU 09/6.5.3	
ES09.2	Verify arrangements to prevent inadvertent activation	N/A	MODU 09/6.5.4	

Verifying Officer Guidance: *Trainee shall demonstrate a working knowledge of the equipment's components, function(s) and operation. In particular, trainee needs to know how the 89 MODU Code and 79 MODU Code differ from the 09 MODU Code. Trainee also needs to understand the impact that testing might have on any ongoing operations onboard the MODU.*

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

Mobile Offshore Drilling Unit Inspector (MUI)**MODU COI/COC****Structural/Watertight Integrity Examination (SW)****All MODUs****Task:** MUI-SW01 Inspect/examine general condition of hull and structural members**Condition:** *During structural/watertight integrity examination, after giving consideration to the different options of design, equipment, and operating standards that MODUs may comply with***Standard:** *In accordance with current laws, regulations, policies, procedures and processes*

- References:**
1. Title 33, Code of Federal Regulations Part 143 OCS - Design & Equipment
 2. Title 33, United States Code § 1321 Oil & Hazardous Substance Liability
 3. Title 46, Code of Federal Regulations Part 107 MODU Inspection & Certification
 4. Title 46, Code of Federal Regulations Part 108 MODU Design & Equipment
 5. Code for the Construction and Equipment of Mobile Offshore Drilling Units (MODU), 2009
 6. International Convention on Load Lines (ICLL) 1966, as amended

Steps		U.S./Option A References	Option C References	Initials
SW01.1	Examine condition of ladderways, guardrails, fire mains, piping, hatch covers & watertight/weathertight closures	33 CFR 143.110 46 CFR 107.231(n) ⁽¹⁾ 46 CFR 108.217 thru .221	MODU 09/1.6.2.1 thru .4 MODU 09/3.7	
SW01.2	Evaluate hull strength and integrity	46 CFR 107.261(1) ⁽¹⁾	MODU 09/2.1.3 ICLL 66 Annex I/12	

Verifying Officer Guidance: *Trainee must understand scope of examination and how to utilize the information contained in the unit's Construction Portfolio [see LM06]. Suspect areas or unauthorized repairs should be brought to the attention of the flag administration (normally via class society as the RO) for action.*

⁽¹⁾U.S. MODUs only.

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

EMPLID:

Verifying Officer's Signature:

Date:

Mobile Offshore Drilling Unit Inspector (MUI)**MODU COI/COC****Structural/Watertight Integrity Examination (SW)****All MODUs****Task:** MUI-SW02 Inspect/examine internal watertight bulkheads and doors/closures**Condition:** *During structural/watertight integrity examination, after giving consideration to the different options of design, equipment, and operating standards that foreign MODUs may comply with***Standard:** *In accordance with current laws, regulations, policies, procedures and processes***References:**

1. Title 46, Code of Federal Regulations Part 108 MODU Design & Equipment
2. International Convention for the Safety of Life at Sea (SOLAS) 1974, as amended
3. Code for the Construction and Equipment of Mobile Offshore Drilling Units, 2009

Steps		U.S./Option A References	Option C References	Initials
SW02.1	Assess condition of components	46 CFR 108.114	MODU 09/3.6.5 & 3.6.3	
SW02.2	Assess condition of ventilator closures	46 CFR 108.114(b)	MODU 09/3.6.1	
SW02.3	Verify quick-acting type doors local/remote alarms (when applicable)	46 CFR 108.114(c)(1)(ii)	MODU Code 3.6.5.2	
SW02.4	Verify local/remote operation of power operated watertight door opening and closing controls	46 CFR 108.114(c)(1)(i)	MODU 09/3.6.5.1 & .3 SOLAS 04/25-9.2	
SW02.5	Verify local/remote operation of audible and visual alarm/indicators	46 CFR 108.114(c)(1)(ii)	MODU 09/3.6.5.3 SOLAS 04/25-9.2	

Verifying Officer Guidance: *Trainee shall demonstrate a working knowledge of the equipment's components, function(s) and operation. In particular, trainee must demonstrate a general knowledge of hydraulic pumps and electric motors which may be used in power operated doors. ASTM F1187 and ASTM F1197 can be used as a knowledge reference but cannot be used as a deficiency reference for foreign-flagged MODUs.*

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

Mobile Offshore Drilling Unit Inspector (MUI)**MODU COI/COC****Structural/Watertight Integrity Examination (SW)****All MODUs****Task:** MUI-SW03 Inspect/examine external watertight integrity**Condition:** *During structural/watertight integrity examination, after giving consideration to the different options of design, equipment, and operating standards that foreign MODUs may comply with***Standard:** *In accordance with current laws, regulations, policies, procedures and processes*

- References:**
1. Title 46, Code of Federal Regulations Part 42 Load Lines - Domestic & Foreign Voyages by Sea
 2. Title 46, Code of Federal Regulations Part 56 Piping Systems & Appurtenances
 3. Title 46, Code of Federal Regulations Part 107 MODU Inspection & Certification
 4. Title 46, Code of Federal Regulations Part 108 MODU Design & Equipment
 5. Code for the Construction and Equipment of Mobile Offshore Drilling Units (MODU), 2009
 6. International Convention on Load Lines (ICLL) 1966, as amended

Steps		U.S./Option A References	Option C References	Initials
SW03.1	Ensure all penetrations are watertight	46 CFR 56.50-1(a) ⁽¹⁾ 46 CFR 107.231(a)(4) ⁽¹⁾ 46 CFR 42.09-40 ⁽¹⁾	MODU 09/3.6.1	
SW03.2	Verify down-flooding openings have watertight closures	46 CFR 108.114(a) 46 CFR 107.231(a)(4) ⁽¹⁾ 46 CFR 42.09-40 ⁽¹⁾	MODU 09/3.6.7 MODU 09/3.7.2 ICLL 1/12 thru 20	
SW03.3	Evaluate condition of watertight door(s) and hatches	46 CFR 108.114(c) 46 CFR 107.231(a)(4) ⁽¹⁾ 46 CFR 42.09-40 ⁽¹⁾	MODU 09/3.6.3 MODU 09/3.7.2 ICLL 1/12	

Verifying Officer Guidance: *Trainee must demonstrate a basic working knowledge of the reasons for maintaining effective watertight boundaries especially with regard to all bulkhead/deck penetrations.*⁽¹⁾U.S. MODUs only.**Inspector's Name:** (Last, First, Initial)**EMPLID:****Verifying Officer's Signature:****Date:**

Mobile Offshore Drilling Unit Inspector (MUI)**MODU COI/COC****Cargo Systems Examination (CS)****All MODUs****Task:** MUI-CS01 Examine portable tanks**Condition:** *During cargo system examination, after giving consideration to the different options of design, equipment, and operating standards that foreign MODUs may comply with***Standard:** *In accordance with current laws, regulations, policies, procedures and processes*

- References:**
1. Title 33, Code of Federal Regulations Part 146 OCS - Operations
 2. Title 46, Code of Federal Regulations Part 98 Special Construction, Arrangement & Other Provisions for Certain Dangerous Cargoes in Bulk
 3. Title 46, Code of Federal Regulations Part 109 MODU Operations
 4. Title 49, Code of Federal Regulations Part 171 Hazardous Materials Regulations - General Information, Regulations & Definitions
 5. Title 49, Code of Federal Regulations Part 172 Hazardous Materials Regulations - Hazardous Materials Table, Special Provisions, Communications, Emergency Response Information, Training Requirements & Security Plans

Steps		U.S./Option A References	Option C References	Initials
CS01.1	Determine applicability	46 CFR 109.557 46 CFR 98.30-1	33 CFR 146.205 46 CFR 109.557 46 CFR 98.30-1	
CS01.2	Verify DOT labeling/placards	46 CFR 109.557 49 CFR 172.326	46 CFR 109.557 49 CFR 172.326	
CS01.3	Verify additional firefighting equipment	46 CFR 109.557 46 CFR 98.30-37	46 CFR 109.557 46 CFR 98.30-37	
CS01.4	Verify stowage and segregation	46 CFR 109.557 46 CFR 98.30-9 49 CFR 171.25(b)(2)	46 CFR 109.557 46 CFR 98.30-9 49 CFR 171.25(b)(2)	

Verifying Officer Guidance: *Trainee shall demonstrate a basic working knowledge of portable tanks, particularly how the U.S. requirements apply to a foreign-flagged MODU. Note: 46 CFR 98.30 was updated by Federal Register Vol. 78 No. 173, on September 6, 2013.*

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

Mobile Offshore Drilling Unit Inspector (MUI)**MODU COI/COC****Cargo Systems Examination (CS)****All MODUs****Task:** MUI-CS02 Examine crane(s)**Condition:** *During cargo system examination, after giving consideration to the different options of design, equipment, and operating standards that foreign MODUs may comply with***Standard:** *In accordance with current laws, regulations, policies, procedures and processes*

- References:**
1. Title 46, Code of Federal Regulations Part 108 MODU Design & Equipment
 2. Title 46, Code of Federal Regulations Part 109 MODU Operations
 3. Code for the Construction and Equipment of Mobile Offshore Drilling Units (MODU), 2009
 4. American Petroleum Institute (API) Recommended Practice (RP) 2C Specifications for Offshore Cranes

Steps		U.S./Option A References	Option C References	Initials
CS02.1	Examine components	46 CFR 108.601	MODU 09/12.1.1 & 12.1.10.7	
CS02.2	Verify controls are marked	46 CFR 108.601(b)(1)	MODU 09/12.1.1	
CS02.3	Verify instruments have lighting	46 CFR 108.601(b)(2)	MODU 09/12.1.1	
CS02.4	Verify correct load chart for configuration in use	46 CFR 108.601(a)	MODU 09/12.1.7	
CS02.5	Verify alarms	46 CFR 109.521 API RP 2D/3.1.2.3 & 3.2.1.4	MODU 09/12.1.8 & .10.3	
CS02.6	Verify crane book/manual	46 CFR 109.437	MODU 09/12.1.10	
CS02.7	Ensure operator visibility	API RP 2C/9.2	N/A	
CS02.8	Verify boom angle indicator	API RP 2C/10.1	MODU 09/12.1.8	

Verifying Officer Guidance: *Trainee shall demonstrate a working knowledge of the equipment's components, function(s) and operation. Trainee must also be familiar with all applicable Classification Society Rules, Flag State requirement(s), safety limits and API standards.*

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

Mobile Offshore Drilling Unit Inspector (MUI)**MODU COI/COC****Emergency Drills (ED)****All MODUs****Task:** MUI-ED01 Evaluate fire drill**Condition:** *While witnessing emergency drills, after giving consideration to the different options of design, equipment, and operating standards that foreign MODUs may comply with***Standard:** *In accordance with current laws, regulations, policies, procedures and processes*

References:

1. Title 33, Code of Federal Regulations Part 146 OCS - Operations
2. Title 46, Code of Federal Regulations Part 109 MODU Operations
3. COMDTINST M16000.7B Marine Safety Manual Volume II Material Inspection Ch-2
4. Code for the Construction and Equipment of Mobile Offshore Drilling Units (MODU), 2009
5. IMO Resolution A.891(21) Recommendations on Training of Personnel on Mobile Offshore Units (MOUs)

Steps		U.S./Option A References	Option C References	Initials
ED01.1	Witness firefighting drill procedures and crew perform assigned duties	46 CFR 109.213(b)	MODU 09/14.13.2	
ED01.2	Verify crew's ability to organize into an effective team to respond to an emergency	46 CFR 109.213(f)(2) MSM II/B.1.P.3.v(1)(c) ⁽¹⁾	MODU 09/14.10.1 & .2	
ED01.3	Verify effective communication between crew on scene and master in command center	46 CFR 109.213(f)(2)(iv)	MODU 09/14.13.2 IMO Res A. 1079(28) App 1/1.3.5	
ED01.4	Witness debrief of drill	N/A	MODU 09/14.13.2 IMO Res A. 1079(28)	
ED01.5	Evaluate crew's knowledge for responding to helideck incidents	N/A	MODU 09/14.2.3	

Verifying Officer Guidance: *Trainee shall understand the importance of fire drills and the criteria for properly evaluating the effectiveness of a fire drill including crew competency. Resolution A.891(21), as referenced in the MODU Code, was superseded by A.1079(28). MSM II/B.1.P.3.v provides emergency drill requirements applicable to U.S. MODUs.*

⁽¹⁾U.S. MODUs only.

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

Mobile Offshore Drilling Unit Inspector (MUI)**MODU COI/COC****Emergency Drills (ED)****All MODUs****Task:** MUI-ED02 Evaluate abandonment drill**Condition:** *While witnessing emergency drills, after giving consideration to the different options of design, equipment, and operating standards that foreign MODUs may comply with***Standard:** *In accordance with current laws, regulations, policies, procedures and processes*

References:

1. Title 46, Code of Federal Regulations Part 108 MODU Design & Equipment
2. Title 46, Code of Federal Regulations Part 109 MODU Operations
3. Code for the Construction and Equipment of Mobile Offshore Drilling Units (MODU), 2009
4. IMO Resolution A.891(21) Recommendations on Training of Personnel on Mobile Offshore Units (MOUs)

Steps		U.S./Option A References	Option C References	Initials
ED02.1	Witness abandonment drill procedures and crew perform assigned duties	46 CFR 109.213(d)(1)(i) & (ii) 46 CFR 108.901(b)(6)	MODU 09/14.13.2	
ED02.2	Witness crew's competency to deploy and launch different lifeboats	46 CFR 109.213(d)(2) 46 CFR 109.213(d)(2) 46 CFR 109.213(d)(2) 46 CFR 109.213(g)	MODU 09/14.13.4 & .15	
ED02.3	Verify crew is proficient at donning lifejackets	46 CFR 109.213(d)(1)(iv)	MODU 09/14.13.4.1	
ED02.4	Witness a debrief of drill	N/A	MODU 09/14.13.2 IMO Res (A).1079(28) 1.4.6	

Verifying Officer Guidance: *Trainee shall understand the importance of abandonment drills and the criteria for properly evaluating the effectiveness of an abandonment drill including crew competency. In addition, the trainee shall know how to properly evaluate the crew's ability to take a proper muster for abandonment from both the primary and secondary locations. Trainee should review the safety recommendation contained in the Commandant's Final Action Memo (MODU Deepwater Horizon Investigation) relating to emergency drill. Resolution A.891(21), as referenced in the MODU Code, was superseded by A.1079(28).*

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

Mobile Offshore Drilling Unit Inspector (MUI)**MODU COI/COC****Emergency Drills (ED)****All 2009/1989 Option C MODUs****Task:** MUI-ED03 Evaluate man overboard drill**Condition:** *While witnessing emergency drills, after giving consideration to the different options of design, equipment, and operating standards that foreign MODUs may comply with***Standard:** *In accordance with current laws, regulations, policies, procedures and processes***References:** 1. Code for the Construction and Equipment of Mobile Offshore Drilling Units (MODU), 2009

Steps		U.S./Option A References	Option C References	Initials
ED03.1	Verify man overboard drills are conducted	N/A	MODU 09/14.13.1 ^(d)	
ED03.2	Witness launching, operation, and maneuvering of rescue boat	N/A	MODU 09/14.13.5	

Verifying Officer Guidance: *Trainee shall understand the importance of man overboard drills and the criteria for properly evaluating the effectiveness of a man overboard drill including crew competency in recovering a person from the water. In addition, trainee should review the safety recommendation contained in the Commandant's Final Action Memo (MODU Deepwater Horizon Investigation) relating to emergency drills.*

^(d)Man overboard drills become a mandatory quarterly requirement for Option C MODUs constructed on/after 01Jan2020 IAW Resolution MSC.453(98), adopted 09Jun2017.

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

Mobile Offshore Drilling Unit Inspector (MUI)**MODU COI/COC****Follow Up Actions (FU)****Self-Propelled MODUs****Task:** MUI-FU01 Verify Compliance with International Safety Management (ISM) Code**Condition:** Upon identification of a systemic failure and if ISM is applicable to this MODU**Standard:** In accordance with current laws, regulations, policies, procedures and processes

References:

1. Title 33, Code of Federal Regulations Part 96 Rules for the Safe Operation of Vessels & Safety Management Systems
2. IMO Resolution A.1052(27) Procedures for Port State Control, 2011
3. International Convention for the Safety of Life at Sea (SOLAS) 1974, as amended
4. Navigation and Vessel inspection Circular 04-05, Port State Control Guidelines for the enforcement of management for the safe operation of ships (ISM)
5. International Safety Management (ISM) Code

Steps		U.S./Option A References	Option C References	Initials
FU01.1	Determine clear grounds to initiate expanded exam	33 CFR 96.200 ⁽¹⁾ IMO Res A.1052(17) 2.4 ⁽²⁾	SOLAS 14 IX/2.1.3 ISM Code 6.2 NVIC 04-05	
FU01.2	Verify crew familiarity with vessel's Safety Management System (SMS)	33 CFR 96.240 ⁽¹⁾ ISM Code 6.1 ⁽²⁾	ISM Code 6.1	
FU01.3	Verify company responsibilities and authority are clearly defined	33 CFR Table 96.250(b) ⁽¹⁾ ISM Code 3 ⁽²⁾	ISM Code 3	
FU01.4	Verify record keeping compliance	33 CFR 96.220(3) ⁽¹⁾ ISM Code 11 ⁽²⁾	ISM Code 11	
FU01.5	Verify maintenance requirements	33 CFR Table 96.250(j) ⁽¹⁾ ISM Code 10 ⁽²⁾	ISM Code 10	
FU01.6	Verify training requirements are IAW SMS	33 CFR Table 96.250(f)(4)-(7) ⁽¹⁾ ISM Code 6.3 & .4 ⁽²⁾	ISM Code 6.3 & .4	
FU01.7	Review audit documentation and ensure follow-up actions completed/in-process	33 CFR Table 96.250(l) ⁽¹⁾ ISM Code 1.4.6, 9.2 ⁽²⁾	ISM Code 1.4.6 & 9.2	

Verifying Officer Guidance: Trainee shall demonstrate a familiarity with the procedures in NVIC 04-05 and the ISM code as they relate to MODUs. Trainee also needs to have a working knowledge BSEE's requirements for SEMS. Trainee should also refer to CD04 for guidance.

⁽¹⁾U.S. MODUs only. ⁽²⁾Option "A" MODUs only.

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

Mobile Offshore Drilling Unit Inspector (MUI)**MODU COI/COC****Follow Up Actions (FU)****All MODUs****Task:** MUI-FU02 Issue deficiencies**Condition:** Upon completion of examination with deficiencies found**Standard:** In accordance with current laws, regulations, policies, procedures and processes

References:

1. Title 46, United States Code § 3313 Compliance with Certificate of Inspection
2. Title 46, Code of Federal Regulations Part 2 Vessel Inspections
3. Form CG-3585 Certificate of Compliance (COC)
4. Forms CG-5437A/B USCG Port State Control Report of Inspection
5. MPS-PR-SEC-05 Conducting Domestic Vessel Inspections
6. COMDTINST M16000.7B Marine Safety Manual Volume II Material Inspection Ch-2
7. CVC-PR001(1) Mission Management System Procedure, Documenting Deficiencies on U.S. Flag Vessels

Steps		U.S./Option A References	Option C References	Initials
FU02.1	Identify deficiencies	46 CFR 2.01-10(a) MSM II/A.2.C.4 MPS-PR-SEC-05(04)	MSM II/D.1.C.8	
FU02.2	Determine deficiency reference cite for U.S. units	46 USC 3313(b) CVC-PR-001(1) E.8.e & f MPS-PR-SEC-05	N/A	
FU02.3	Discuss deficiencies and corrective measures/timeframe with vessel's master or representative	46 CFR 2.01-10 MSM II/A.2.C.2 MPS-PR-SEC-05(04)	MSM II/D.2.C	
FU02.4	Document deficiencies	46 USC 3313(b) MSM II/A.2.C.4.b MPS-PR-SEC-05(04)	MSM II/G.3.N.9 CG-3585 CG-5437A/B	
FU02.5	Sign forms (examiner & vessel's representative)	MSM II/G.3.N.9 CG-3585 & 5437 A/B ⁽²⁾ MPS-PR-SEC-05(04)	MSM II/G.3.N.9 CG-3585 CG-5437A/B	

(Task MUI-FU02 continued on next page)

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

FU02.6	Issue documents to foreign flagged	MSM II/G.3.N.9 ⁽²⁾ CG-3585 & 5437 A/B ⁽²⁾ MPS-PR-SEC-05(04)	MSM II/G.3.N.9 CG-3585 CG-5437A/B	
FU02.7	Issue CG-835V to U.S. flagged	46 CFR 2.01-10(a) CVC-PR-001(1) E & F MPS-PR-SEC-05	N/A	

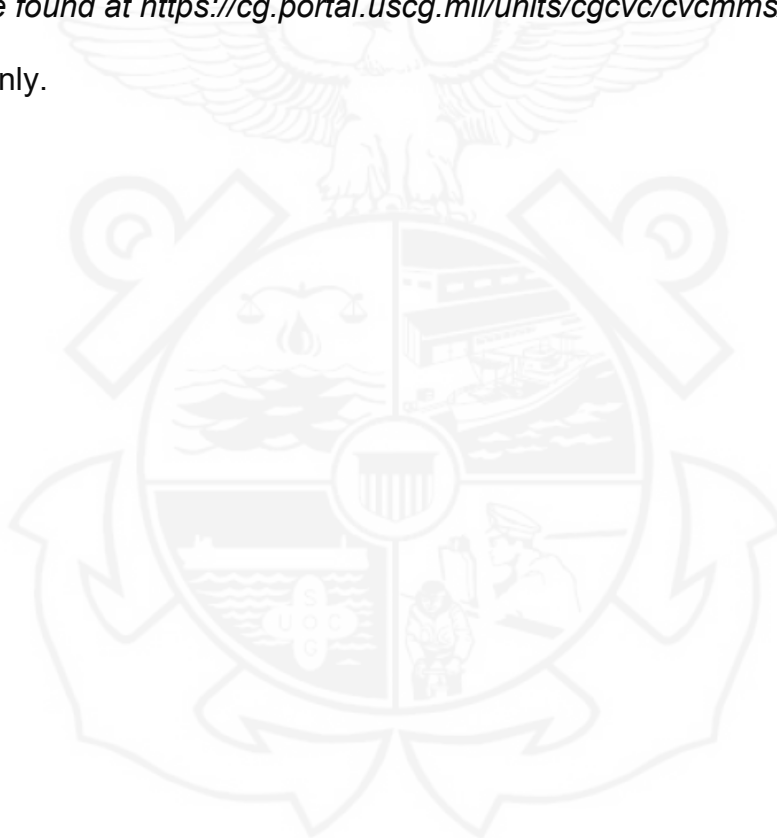
Verifying Officer Guidance: Any deficiencies that would result in a control action, of any kind, influence the issuance of a Certificate of Compliance. Refer to local OCMI, CVC, or District policy for guidance. Trainee shall demonstrate a working knowledge of how deficiencies are documented and the proper cites used under the various examination options (A, B or C). Trainee shall demonstrate a working knowledge of MISLE and the Coast Guard's Mission Management System's (MMS) processes and procedures.

MPS-PR-SEC-05 (Process Map) reference can be found in the CVC-1 folder at

<https://cg.portal.uscg.mil/units/forcecom/Assessment/FC-Aemms/Process%20Maps/Forms/AllItems.aspx>

CVC-PR-001(1) can be found at <https://cg.portal.uscg.mil/units/cgcvc/cvcmmms/SitePages/Home.aspx>

⁽²⁾Option "A" MODUs only.



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

Mobile Offshore Drilling Unit Inspector (MUI)**MODU COI/COC****Follow Up Actions (FU)****All MODUs****Task:** MUI-FU03 Issue control action(s)**Condition:** Upon discovery of substantial non-compliance**Standard:** In accordance with current laws, regulations, policies, procedures and processes

- References:**
1. Title 46, Code of Federal Regulations Part 107 MODU Inspection & Certification
 2. Mission Management System (MMS) Work Instruction - MISLE Data Entry Requirements for Outer Continental Shelf (OCS) Inspections
 3. BSEE/USCG MOA 08 Mobile Offshore Drilling Units
 4. Code for the Construction and Equipment of Mobile Offshore Drilling Units (MODU), 2009
 5. COMDTINST M16000.7B Marine Safety Manual Volume II Material Inspection Ch-2

Steps		U.S./Option A References	Option C References	Initials
FU03.1	Determine if suspension/non-issuance of COI/COC is warranted	46 CFR 107.279(a) thru (e) ⁽¹⁾	MODU 09/1.7.3 MSM II/G.3.L MSM II/G.3.N.9.f	
FU03.2	Determine control action	MMS Work Instruction	MODU 09/1.7.3 MODU 09/1.7.6	
FU03.3	Determine impact to drilling operations	BSEE/USCG MOA	BSEE/USCG MOA	
FU03.4	Evaluate potential well control hazards	BSEE/USCG MOA	BSEE/USCG MOA	
FU03.5	Consult with OCMI and BSEE District to determine appropriate point to interrupt drilling operations	BSEE/USCG MOA	BSEE/USCG MOA	
FU03.6	Explain control action(s) to responsible parties/stakeholders	46 CFR 107.279 ⁽¹⁾ BSEE/USCG MOA	MODU 09/1.7 BSEE/USCG MOA	
FU03.7	Issue control action(s)	MMS Work Instruction	MODU 09/1.7.3 MMS Work Instruction	

Verifying Officer Guidance: Trainee shall demonstrate a working knowledge of all of the hazards and potential impacts involved with any particular control actions he/she may take and/or recommend. Prior to issuance of a control action, consultation with the OCMI, District, and BSEE is critical. Note: Consideration with regards to the ongoing MODU operations are paramount for the safety of the MODU and any personnel onboard. This includes condition/operational parameters outlined in the Drilling Plan, Well Profile and any BSEE approvals.

⁽¹⁾U.S. MODUs only.

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

Mobile Offshore Drilling Unit Inspector (MUI)**MODU COI/COC****Follow Up Actions (FUI)****All MODUs****Task:** MUI-FU04 Verify deficiency corrections**Condition:** During follow-up portion of the exam**Standard:** In accordance with current laws, regulations, policies, procedures and processes

- References:**
1. COMDTINST M16000.7B Marine Safety Manual Volume II Material Inspection Ch-2
 2. Form CG-3585 Certificate of Compliance (COC)
 3. Forms CG-5437A/B USCG Port State Control Report of Inspection
 4. Mission Management System (MMS) Work Instruction - MISLE Data Entry Requirements for Outer Continental Shelf (OCS) Inspections
 5. CVC-PR-001(1) Mission Management System Procedure, Documenting Deficiencies on U.S. Flag Vessels

Steps		U.S./Option A References	Option C References	Initials
FU04.1	Verify corrected deficiencies	MSM II/A.2.C.4	MSM II/D.1.G.3.f CG-3585 CG-5437A/B	
FU04.2	Remove control action (when applicable)	MSM II/A.2.C.2.d MMS Work Instruction	CG-3585 CG-5437A/B MMS Work Instruction	
FU04.3	Clear deficiency in Misle activity	MSM II/A.2.C.2.d MMS Work Instruction CVC-PR-001(1) H.9 ⁽¹⁾	MSM II/A.2.C.2.d MMS Work Instruction	

Verifying Officer Guidance: Trainee shall demonstrate a working knowledge of MISLE and the Coast Guard's Mission Management System's (MMS) processes and procedures.
CVC-PR-001(1) can be found at <https://cg.portal.uscg.mil/units/cgcvc/cvcmms/SitePages/Home.aspx>

⁽¹⁾U.S. MODUs only.

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

EMPLID:

Verifying Officer's Signature:

Date:

Mobile Offshore Drilling Unit Inspector (MUI)**MODU COI/COC****Follow Up Actions (FU)****All MODUs****Task:** MUI-FU05 Issue/endorse certificates**Condition:** Upon completion of exam**Standard:** In accordance with current laws, regulations, policies, procedures and processes

References:

1. Title 46, Code of Federal Regulations Part 107 MODU Inspection & Certification
2. COMDTINST M16000.7B Marine Safety Manual Volume II Material Inspection Ch-2
3. Form CG-3585 Certificate of Compliance (COC)
4. Forms CG-5437A/B USCG Port State Control Report of Inspection
5. MPS-PR-SEC-05(04) Conducting Domestic Vessel Inspections
6. COMDTINST M16000.6 Marine Safety Manual Volume I Administration & Management

Steps		U.S./Option A References	Option C References	Initials
FU05.1	Issue/endorse COI/COC	46 CFR 107.283 MPS-PR-SEC-05(04)	MSM II/G.3.A.2.e CG-3585	
FU05.2	Obtain copy of endorsed certificates for foerieggn units	MSM II/G.3.N.9 ⁽²⁾ CG-3585 & 5437 A/B ⁽²⁾	MSM II/G.3.N.9 CG-3585 CG-5437A/B	
FU05.3	Obtain copy of endorsed certificates for U.S. units	MSM I/12.E.7 MPS-PR-SEC-05(04)	N/A	

Verifying Officer Guidance: Trainee shall demonstrate a working knowledge of a COC form and the processes and procedures to follow when endorsing it. Trainee shall demonstrate a working knowledge of MISLE and the Coast Guard's Mission Management System's (MMS) processes and procedures.

MPS-PR-SEC-05 (Process Map) reference can be found in the CVC-1 folder at <https://cg.portal.uscg.mil/units/forcecom/Assessment/FC-Aemms/Process%20Maps/Forms/AllItems.aspx>

⁽²⁾Option "A" MODUs only.

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

EMPLID:

Verifying Officer's Signature:

Date:

Mobile Offshore Drilling Unit Inspector (MUI)**MODU COI/COC****Follow Up Actions (FU)****All MODUs**

Task: MUI-FU06 Complete Maritime Information for Safety and Law Enforcement (MISLE) Activity

Condition: During follow-up portion of the exam

Standard: In accordance with current laws, regulations, policies, procedures and processes

- References:**
1. COMDTINST M16000.7B Marine Safety Manual Volume II Material Inspection Ch-2
 2. Mission Management System (MMS) Work Instruction - MISLE Data Entry Requirements for Outer Continental Shelf (OCS) Inspections
 3. Form CG-3585 Certificate of Compliance (COC)
 4. COMDTINST M16000.6 Marine Safety Manual Volume Administration and Management
 5. MPS-PR-SEC-05(04) Conducting Domestic Vessel Inspections
 6. CVC-PR-001(1) Mission Management System Procedure, Documenting Deficiencies on U.S. Flag Vessels

Steps		U.S./Option A References	Option C References	Initials
FU06.1	Update examination results with deficiencies issued on CG 835V/Form B	MSM I/12.H.1 MMS Work Instruction CVC-PR-001(1)H ⁽¹⁾	CG-3585 MMS Work Instruction	
FU06.2	Update activity narrative and special notes (as necessary)	MSM I/12.G.2.a & 12.H.1 MMS Work Instruction	MMS Work Instruction	
FU06.3	Update details	MSM I/12.F	MMS Work Instruction	
FU06.4	Ensure unfired pressure vessel internal exam and relief valve test dates are documented in MISLE	MSM II/G.3.G.4 ⁽²⁾ MMS Work Instruction	MSM II/G.3.G.4	
FU06.5	Update documents	MMS Work Instruction	MMS Work Instruction	
FU06.6	Change status to "Open-Submitted for Review"	MSM I/12.H.1 MMS Work Instruction MPS-PR-SEC-05	MMS Work Instruction	

Verifying Officer Guidance: Trainee shall demonstrate a working knowledge of MISLE, the Coast Guard's Mission Management System (MMS) processes and procedures. MPS-PR-SEC-05 (Process Map) reference can be found in the CVC-1 folder at

<https://cg.portal.uscg.mil/units/forcecom/Assessment/FC-Aemms/Process%20Maps/Forms/AllItems.aspx>

CVC-PR-001(1) can be found at <https://cg.portal.uscg.mil/units/cgcvc/cvcmmms/SitePages/Home.aspx>

⁽¹⁾U.S. MODUs only. ⁽²⁾Option "A" MODUs only.

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

Appendix A

List of Additional References:

American Bureau of Shipping (ABS), ABS Plaza, 16855 North chase Drive Houston TX 77060

Rules for Building and Classing Mobile Offshore Drilling Units
Rules for the Certification of Drilling Systems

American Petroleum Institute (API), 1220 L St NW, Washington, DC 20005-4070

Recommended Practice (RP) 2D (First Edition, 1972), Operation and Maintenance of Offshore Cranes
Spec. 2C (Second Edition, 1972), Specification for Offshore Cranes
Recommended Practice (RP) 75, Development of a Safety and Environmental Management Program (SEMP) for Offshore Operations and Facilities

American Society of Mechanical Engineers (ASME) International, Three Park Avenue, New York, NY 10016-5990

Boiler and Pressure Vessel Code
B 31.1-1986, Code for Pressure Piping, Power Piping

Institute of Electrical and Electronics Engineers (IEEE), IEEE Service Center, 445 Hoes Lane, Piscataway, NJ 08855

No. 45-1977, Recommended Practice for Electric Installations on Shipboard

International Electrotechnical Commission (IEC), 3 Rue de Varembe, Geneva, Switzerland

IEC 60079, Electrical Apparatus for Explosive Atmospheres

Marine Technology Society (MTS), 1100 H St NW, Suite LL-100, Washington, DC 20005; <https://dynamic-positioning.com>

DP Vessel Design Philosophy Guidelines Parts 1 & 2
DP Operations Guidance Part 1
DP Operations Guidance Part 2 Appendices 1-3

National Fire Protection Association (NFPA).1 Battery march Park, Quincy, MA 02269-9101

NFPA 10, Standard for Portable Fire Extinguishers, 2010 Edition
NFPA 70, National Electrical Code, 1993 Edition, Sections 500-505
NFPA 306, Control of Gas Hazards on Vessels, 1993 Edition
NFPA 1963, Fire Hose Connections, 1993 Edition

Underwriters Laboratories, Inc. (UL), 12 Laboratory Drive, Research Triangle Park, NC 27709-3995

UL 19-1992, Lined Fire Hose and Hose Assemblies
UL 486A-1992, Wire Connectors and Soldering Lugs for Use with Copper Conductors
UL 489-1995, Molded-Case Circuit Breakers and Circuit-Breaker Enclosures
UL 57-1976, Electric Lighting Fixtures

Appendix A

UL 595-1991, Marine-Type Electric Lighting Fixtures
UL 1570-1995, Fluorescent Lighting Fixtures
UL 1571-1995, Incandescent Lighting Fixtures
UL 1572-1995, High Intensity Discharge Lighting Fixtures
UL 1574-1995, Track Lighting Systems

**The University of Texas at Austin, Petroleum Extension Service (PETEX), 1
University Station, R8100, Austin, TX 78712-1100**

A Dictionary for the Oil and Gas Industry Second Edition, 2011
A Primer of Offshore Operations Third Edition, 1998

**International Association of Drilling Contractors Lexicon;
<http://www.iadclexicon.org>**

Glossary of Oil & Gas Drilling Terms

Appendix B

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 B

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

Appendix C
Examination Log

DATE	LOCATION	MODU NAME	MODU TYPE	EXAM TYPE & “OPTION”	LEAD EXAMINER

Appendix C
Examination Log

DATE	LOCATION	MODU NAME	MODU TYPE	EXAM TYPE & “OPTION”	LEAD EXAMINER

Appendix C
Examination Log

DATE	LOCATION	MODU NAME	MODU TYPE	EXAM TYPE & “OPTION”	LEAD EXAMINER

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

From: _____ Date: _____

PQS/CG-840 Title:

Section(s) Affected:

Remark(s)/Comment(s):

Reference(s):

Signature: _____

Submit to MIPQS840@uscg.mil by clicking the button