
U.S. COAST GUARD



FOREIGN MOBILE OFFSHORE DRILLING UNIT EXAMINER (FMUE)

PERFORMANCE AND QUALIFICATION STANDARD



Marine Inspection and Investigation School
Training Center Yorktown

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Foreign Mobile Offshore Drilling Unit Examiner Performance and Qualification Standard

Competency Code: FMUE

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 Foreign Mobile Offshore Drilling Unit Examiner (FMUE). It is your responsibility to document all completed unit training items and keep track of all examinations completed during this process by filling out the MODU Examination Log is located in appendix C of this workbook.

The FMUE competency is not restricted to any particular rank or rate. Civilian GS employees are also eligible.

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: "Foreign Mobile Offshore Drilling Unit Examiner"
2. **Job Accomplishment:** the main deliverable for the qualification.
Example: "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: "Foreign 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 FMUE competency. With the exception of the training prerequisites listed on page (I), the Sector Commander 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 deferment must be clearly articulated in both the PQS workbook and the certification letter for record keeping and accountability.

The Sector Commander or designee may also request the following prerequisites listed on page (I) with conditions:

1. **C.2:** The completion of one Port State Control Officer competency or one Domestic Marine Inspector competency may be waived by the Sector Commander if the Sector's Prevention leadership (CID and/or MITO) recognize that the Apprentice Marine Inspector has the maturity, capacity and initiative to successfully pursue an FMUE qualification.

Prior to any task being deferred for an individual seeking certification as a Foreign Mobile Offshore Drilling Unit Examiner (FMUE), that individual's Chief, Inspections Division (CID) or Marine Inspection Training Officer (MITO) shall notify the Outer Continental Shelf National Center of Expertise (OCSNCOE). The OCSNCOE 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 OCSNCOE shall notify the individual's unit via e-mail. A copy of the e-mail from the OCSNCOE shall be attached to the individual's FMUE 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-2)

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

Appendices:

- A. 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:				

Foreign Mobile Offshore Drilling Unit Examiner PQS

RECORD OF COMPLETION		
Training Prerequisites	Date	Training Coordinator's Signature
A. Assign FMUE competency in TMT		
B. Completion of the following resident courses:		
1. Port State Control Officer Course (501864); or		
2. MST A-School (only if completed after January 2010); and		
3. Marine Inspector Course (501869) (only if completed before March 2006); and		
4. Introduction to Confined Space Entry & Shipyard Competent Person for MI/PSC self-paced e-Learning (100028)		
C. MODU Industry Indoctrination Guide (meets Industry Specific Orientation Indoctrination requirement)		
D. Completion of:		
1. Port State Control Examiner (PSCE) competency; and		
2. Completion of one Port State Control Officer competency or one Domestic Marine Inspector competency		
E. Completion of this PQS Workbook		
F. Completion of Helicopter Dunker Training (HUET)		
G. Successful completion of final assessment under the observation of the Verifying Officer		
H. Successful completion of the final board by FMUEB		
FMUEB Members Present for Board:		
I. Certification/Designation Letter submitted for approval		
J. Once Certification/Designation Letter is signed make appropriate entries in TMT		
REMARKS:		

Foreign Mobile Offshore Drilling Unit Examiner PQS

Task Number	Task Description	Date Completed
FMUE-PE01	Schedule examination in Maritime Information for Safety and Law Enforcement (MISLE)	
FMUE-PE02	Coordinate examination with vessel's representative	
FMUE-PE03	Conduct meeting with vessel's representative to discuss scope of the examination	
FMUE-PE04	Issue Letter of Determination (LOD)(when applicable)	
FMUE-PE05	Mitigate potential hazards encountered during an exam	
FMUE-CD01	Review Certificate of Compliance (COC)	
FMUE-CD02	Examine Crew Certificates of Competency and Proficiency	
FMUE-CD03	Examine Code for the Construction and Equipment of Mobile Offshore Drilling Units Certificate	
FMUE-CD04	Examine copy of Document of Compliance (ISM-DOC)	
FMUE-LM01	Examine Logbook entries	
FMUE-LM02	Review lifesaving equipment maintenance logs/reports	
FMUE-LM03	Review records of emergency training and drills	
FMUE-LM04	Examine liferaft maintenance records and service logs/reports	
FMUE-LM05	Examine lifeboat maintenance records and service logs/reports	
FMUE-LM06	Examine fire fighting equipment maintenance and service logs/reports	
FMUE-LM07	Examine fire detection system maintenance and service logs/reports	
FMUE-LM08	Examine gas detection maintenance and service logs/reports	
FMUE-LM09	Examine crane maintenance and service logs/reports	
FMUE-LM10	Examine Unfired Pressure Vessels (UPVs) and relief valves maintenance and service logs/reports	
FMUE-LM11	Examine Operations Manual	
FMUE-LM12	Examine Emergency Evacuation Plan (EEP)	
FMUE-LM13	Examine construction (booklet) portfolio	
FMUE-LM14	Examine Oil Record Book Part II (ORB) (when applicable)	
FMUE-BN01	Examine propulsion and operational mode indicators	
FMUE-BN02	Verify operations of communication equipment	
FMUE-BN03	Examine sound reception system on totally enclosed bridge	
FMUE-BN04	Witness operational test of steering gear	

Foreign Mobile Offshore Drilling Unit Examiner PQS

Task Number	Task Description	Date Completed
FMUE-BN05	Examine internal communications	
FMUE-BN06	Examine anchor(s) and chain	
FMUE-BN07	Examine hull for required markings	
FMUE-BN08	Examine hull, anchors and anchor chain for compliance with the Non-Indigenous Aquatic Nuisance Species Act	
FMUE-GH01	Examine accommodations	
FMUE-GH02	Examine galley	
FMUE-GH03	Examine personal protective equipment and procedures	
FMUE-GH04	Examine hospital space	
FMUE-GH05	Examine arrangements in machinery and working spaces	
FMUE-GH06	Examine storage of gas cylinders	
FMUE-GH07	Examine hydrogen sulphide (sulfide) detection and alarm system	
FMUE-GH08	Examine means of escape	
FMUE-GH09	Avoid inadvertent entry into a confined space	
FMUE-LS01	Examine general emergency systems	
FMUE-LS02	Examine rescue boat	
FMUE-LS03	Examine muster and embarkation stations	
FMUE-LS04	Examine fixed metal ladders	
FMUE-LS05	Examine inflatable liferafts and davit launched arrangements	
FMUE-LS06	Examine lifeboats	
FMUE-LS07	Examine boat davits	
FMUE-FF01	Examine areas for compliance with Structural Fire Protection (SFP) requirements	
FMUE-FF02	Examine fixed fire detection and alarm system	
FMUE-FF03	Examine flammable gas and alarm system(s)	
FMUE-FF04	Examine apparatus for recharging air cylinders	
FMUE-FF05	Examine fire main system(s)	
FMUE-FF06	Examine deluge system	
FMUE-DP01	Examine operational capabilities of Dynamic Positioning (DP) systems	
FMUE-DP02	Examine DP's power management system	
FMUE-DP03	Examine DP's thruster system(s)	

Foreign Mobile Offshore Drilling Unit Examiner PQS

Task Number	Task Description	Date Completed
FMUE-DP04	Examine DP's control systems	
FMUE-HD01	Examine helideck	
FMUE-HD02	Examine helideck fire fighting systems	
FMUE-HD03	Examine refueling station	
FMUE-MI01	Examine bilge pumps installation, piping, and valves	
FMUE-MI02	Examine arrangements for propulsion engine(s)	
FMUE-MI03	Examine ballast pumps installation, piping, and valves Column Stabilized Units	
FMUE-MI04	Examine ballast pumps installation, piping and valves on ship-shaped hulls	
FMUE-MI05	Examine oil/fuel service and transfer system(s)	
FMUE-MI06	Examine Unfired Pressure Vessels (UPVs)	
FMUE-MI07	Examine steering gear assembly and operation	
FMUE-MI08	Examine main service and propulsion generator(s) and prime mover(s)	
FMUE-MI09	Examine emergency generator(s) and prime mover(s)	
FMUE-ES01	Examine switchboards	
FMUE-ES02	Examine motor controllers	
FMUE-ES03	Examine controls and alarms for unattended machinery spaces (when applicable)	
FMUE-ES04	Examine electrical components in hazardous area(s)	
FMUE-ES05	Examine machinery in hazardous areas	
FMUE-ES06	Examine openings, access and ventilation conditions in hazardous areas	
FMUE-ES07	Examine emergency shutdown & disconnect(s)	
FMUE-SW01	Examine general condition hull and structural members	
FMUE-SW02	Examine internal watertight bulkheads and doors/closures	
FMUE-SW03	Examine external watertight integrity	
FMUE-CS01	Examine marine portable tanks (MPT)	
FMUE-CS02	Examine crane(s)	
FMUE-ED01	Evaluate Fire Drill	
FMUE-ED02	Evaluate Abandon Ship Drill	
FMUE-ED03	Evaluate Man Overboard Drill	
FMUE-FU01	Verify International Safety Management (ISM) Code	

Foreign Mobile Offshore Drilling Unit Examiner PQS

Task Number	Task Description	Date Completed
FMUE-FU02	Issue deficiencies	
FMUE-FU03	Issue control action(s)	
FMUE-FU04	Verify deficiency corrections	
FMUE-FU05	Endorse certificates	
FMUE-FU06	Complete Maritime Information for Safety and Law Enforcement (MISLE) Activity	

**Foreign Mobile Offshore Drilling Unit Examiner
(FMUE)****Certificate of Compliance****Pre-Exam (PE)****All MODUs**

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

Condition: *During preparation for 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 policies, procedures and processes*

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

Steps		References	Initials
PE01.1	Determine the authority, jurisdiction, and applicable regulation(s)	33 CFR 140.3 & .101(a) 33 CFR 143.207 33 CFR 146.205	
PE01.2	Locate vessel	MPS-PR-SEC-04 MISLE Work Instruction	
PE01.3	Verify documents are current	MPS-PR-SEC-04 MSM I/12.G.5	
PE01.4	Review history (narratives, deficiencies & special notes)	MSM I/12.2.a MPS-PR-SEC-02 & 04 MISLE Work Instruction	
PE01.5	Verify status of user fees	46 CFR 2.10-130 MSM II/G.3.A.2.a	
PE01.6	Prepare folder and required documents	46 CFR 2.01-6 MPS-PR-SEC-04 MPS-PR-SEC-07	
PE01.7	Verify status of Certificate of Financial Responsibility (e-COFR)	33 CFR 138.15(b) 33 CFR 138.85 MISLE Work Instruction	
PE01.8	Generate new activity	MISLE Work Instruction	
PE01.9	Verify submittal of Environmental Protection Agency (EPA) Notice of Intent (NOI)	CG-543 Policy Ltr 11-01	

(Task FMUE-PE01 continued on next page)

PE01.10	Determine Special Inspection Program (SIP) participation	MSM I/12.2.a MPS-PR-SEC-04	
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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 Foreign Flagged MODUs.*



**Foreign Mobile Offshore Drilling Unit Examiner
(FMUE)****Certificate of Compliance****Pre-Exam (PE)****All MODUs****Task:** FMUE-PE02 Coordinate examination with vessel's representative**Condition:** *During preparation for 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 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.1
 4. MPS-PR-SEC-02 Scheduling Foreign Vessel Examinations
 5. MPS-PR-SEC-04 Preparing for Inspections and Examinations

Steps		References	Initials
PE02.1	Identify vessel's representative	MPS-PR-SEC-02 MPS-PR-SEC-04	
PE02.2	Confirm vessel arrival time, destination, exam based on Advanced Notice of Arrival (ANOA)	33 CFR 146.202 33 CFR 146.215 MPS-PR-SEC-02	
PE02.3	Articulate examination expectations	33 CFR 143.207 33 CFR 146.205 MPS-PR-SEC-02	
PE02.4	Verify owner/operator information	MPS-PR-SEC-04	
PE02.5	Verify Classification Society information (when applicable)	MPS-PR-SEC-04	
PE02.6	Confirm MISLE targeting score with information attained from vessel representative	MSM II/D.4 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.*

**Foreign Mobile Offshore Drilling Unit Examiner
(FMUE)****Certificate of Compliance****Pre-Exam (PE)****All MODUs**

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

Condition: *During preparation for 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 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-04 Preparing for Inspections and Examinations

Steps		References	Initials
PE03.1	Review outstanding Conditions of Class and any third party servicing report discrepancies	MPS-PR-SEC-04	
PE03.2	Discuss examination procedures and expectations	33 CFR 143.207 33 CFR 146.205	
PE03.3	Review any ongoing operations to include well ops that could affect examination and equipment availability with Master/OIM	MPS-PR-SEC-04	
PE03.4	Coordinate actual testing procedures	MPS-PR-SEC-04	

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.*

**Foreign Mobile Offshore Drilling Unit Examiner
(FMUE)****Certificate of Compliance****Pre-Exam (PE)****All MODUs****Task:** FMUE-PE04 Issue Letter of Determination (LOD)(when applicable)**Condition:** *During preparation for 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 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		References	Initials
PE04.1	Determine applicability	43 USC 1356(c) 33 CFR 141.5	
PE04.2	Review request	33 CFR 141.15 NVIC 07-84	
PE04.3	Prepare LOD	33 CFR 141.15 NVIC 07-84	
PE04.4	Retain a copy and log issued LODs and secure documentation received from employers/applicants	5 USC 552 & 552a COMDTINST M5260.3 COMDTINST M5212.12A	

Verifying Officer Guidance: *Trainee should exhibit 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 issued by CG-CVC.*

**Foreign Mobile Offshore Drilling Unit Examiner
(FMUE)****Certificate of Compliance****Pre-Exam (PE)****All MODUs****Task:** FMUE-PE05 Mitigate potential hazards encountered during an exam**Condition:** *During preparation for examination***Standard:** *In accordance with current 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.1
 4. NFPA 306 Standard for the Control of Gas Hazards on Vessels
 5. Gas Alert Quattro Gas Detector Operator's Manual

Steps		References	Initials
PE05.1	Recognize potential hazards encountered during an exam	NFPA 306	
PE05.2	Determine confined spaces onboard vessel	MSM I/CH10	
PE05.3	Determine if exam scope will require a Marine Chemist certification for entry into spaces	29 CFR 1915, Part B MSM II/G.1	
PE05.4	Verify Marine Chemist has been scheduled for the exam (when applicable)	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	
PE05.6	Review CG policy for when to leave a space due to hazardous condition	MSM I/CH10 App. A	

Verifying Officer Guidance:

**Foreign Mobile Offshore Drilling Unit Examiner
(FMUE)****Certificate of Compliance****Certificates and Documents (CD)****All MODUs****Task:** FMUE-CD01 Review 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 compliance with applicable policies, laws, regulations and standards*

- 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.1
 5. Form CG-3585 Certificate of Compliance (COC)

Steps		References	Initials
CD01.1	Verify compliance option (A, B or C)	33 CFR 143.207 33 CFR 146.205 MSM II/G.3.B	
CD01.2	Verify particulars are accurately reflected	CG-3585	
CD01.3	Verify certificate is valid	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 its (1) Examination Options; (2) year built and 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.)*

**Foreign Mobile Offshore Drilling Unit Examiner
(FMUE)****Certificate of Compliance****Certificates and Documents (CD)****All MODUs****Task:** FMUE-CD02 Examine Crew Certificates of Competency and Proficiency**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 compliance with applicable policies, laws, regulations and standards*

- References:**
1. Title 33, Code of Federal Regulations Parts 141 & 146
 2. Title 46, Code of Federal Regulations Parts 10 & 109
 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

Steps		References	Initials
CD02.1	Verify original credentials are onboard and valid	46 CFR 10.205 STCW I/2.11	
CD02.2	Verify STCW & Flag State endorsements	46 CFR 10.205 STCW I/10	
CD02.3	Verify Transportation Worker Identification Credential (TWIC) (when applicable)	46 CFR 10.203	
CD02.4	Verify required number of Lifeboatmen	33 CFR 146.205 46 CFR 109.323 MODU Code 09/14.9.4	
CD02.5	Verify letters of determination or certificate of exemption for foreign national(s)	33 CFR 141.15(c) 33 CFR 141.20(f) NVIC 07-84	
CD02.6	Verify Dynamic Positioning operator's certificate(s) is valid	MODU Code 09/4.13 IMO MSC.1/Circ. 738 Rev.1	

Verifying Officer Guidance: *Trainee shall demonstrate a working knowledge of mariner credential's, 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 (MODUs), however the trainee should verify any endorsements required for Lifeboatmen and/or other seafarers that may be required to operate lifeboats/rescue boats.*

**Foreign Mobile Offshore Drilling Unit Examiner
(FMUE)****Certificate of Compliance****Certificates and Documents (CD)****All MODUs**

Task: FMUE-CD03 Examine Code for the Construction and Equipment of Mobile Offshore Drilling Units Certificate

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 compliance with applicable policies, laws, regulations and standards

- References:**
1. Title 33, Code of Federal Regulations Part 146 OCS - Operations
 2. Code for the Construction and Equipment of Mobile Offshore Drilling Units (MODU), 2009
 3. COMDTINST M16000.7B Marine Safety Manual Volume II Material Inspection Ch.1

Steps		References	Initials
CD03.1	Determine applicability	33 CFR 146.205 MODU Code 09/1.6.7 MSM II/G.3.A.3	
CD03.2	Verify presence	MODU Code 09/1.6.7	
CD03.3	Verify validity	MODU Code 09/1.6.7	

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.)

**Foreign Mobile Offshore Drilling Unit Examiner
(FMUE)****Certificate of Compliance****Certificates and Documents (CD)****All MODUs****Task:** FMUE-CD04 Examine copy of Document of Compliance (ISM-DOC)**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 compliance with applicable policies, laws, regulations and standards***References:**

1. International Convention for the Safety of Life at Sea (SOLAS) 1974, as amended
2. International Safety Management (ISM) Code
3. CG-ENG Policy Letter 02-12 Acceptance of the 2009 MODU Code
4. COMDTINST M16000.7B Marine Safety Manual Volume II Material Inspection Ch.1

Steps		References	Initials
CD04.1	Determine applicability	SOLAS 09 IX/2 CG-ENG Policy Ltr 02-12 MSM II/G.3.A.10	
CD04.2	Verify presence	SOLAS 09 IX/4.2 ISM Code 13.6	
CD04.3	Verify validity	SOLAS 09 IX/5 ISM Code 13.2-5	
CD04.4	Verify form	ISM Code 16	

Verifying Officer Guidance: *Trainee shall demonstrate an understanding of the applicability of ISM as it pertains to MODUs. In addition, trainee shall explain BSEEs authority under Safety and Environmental Management Systems (SEMS).*

**Foreign Mobile Offshore Drilling Unit Examiner
(FMUE)****Certificate of Compliance****Logs and Manuals Examination (LM)****All MODUs****Task:** FMUE-LM01 Examine Logbook entries**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 compliance with applicable policies, laws, regulations and standards*

- References:**
1. Title 33, Code of Federal Regulations Part 146 OCS - Operations
 2. Title 33, Code of Federal Regulations Part 164 Navigation Safety Regulations
 3. Title 46, Code of Federal Regulations Part 109 MODU Operations
 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. Inspection of Labour Conditions On Board Ship: Guide-lines for Procedure (ILO-147)

Steps		References	Initials
LM01.1	Verify pre-arrival/departure checks (when applicable)	33 CFR 164.25 MODU 09/11.10 SOLAS 09 V/26	
LM01.2	Verify fire and lifesaving training/drills	33 CFR 146.205 46 CFR 109.433(d) MODU 09/14.14.1	
LM01.3	Verify EPIRB test(s)	46 CFR 109.301(e)(2) MODU 09/14.14.1 SOLAS 09 IV/15.9	
LM01.4	Verify lifesaving equipment taken out of service	46 CFR 109.433(d) 46 CFR 109.213(h)(1)(iii)	
LM01.5	Verify sanitary inspections	46 CFR 109.203 46 CFR 109.433(g) ILO -147 p39/35	
LM01.6	Verify marine casualties	46 CFR 109.411 MODU 09/1.8.1 SOLAS 09 I/11(c)	

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.*

**Foreign Mobile Offshore Drilling Unit Examiner
(FMUE)****Certificate of Compliance****Logs and Manuals Examination (LM)****All MODUs****Task:** FMUE-LM02 Review lifesaving equipment maintenance logs/reports**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 compliance with applicable policies, laws, regulations and standards*

References:

1. Title 33, Code of Federal Regulations Part 146 OCS - Operations
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

Steps		References	Initials
LM02.1	Review liferafts records	33 CFR 146.205 46 CFR 109.301(b)(1)(vii) MODU 09/10.1.4 & 14.14.2.6	
LM02.2	Review lifeboat records	46 CFR 109.301(b)(1)(vii) MODU 09/14.14.2.6 SOLAS 09 III/36.7	
LM02.3	Review rescue boat records (when applicable)	46 CFR 109.301(b)(1)(vii) MODU 09/14.14.2.6 SOLAS 09 III/36.7	
LM02.4	Review davits falls/winch(s) records	46 CFR 109.301(b)(1)(vii) MODU 09/14.14.2.6 SOLAS 09 III/36.7	

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.*

**Foreign Mobile Offshore Drilling Unit Examiner
(FMUE)****Certificate of Compliance****Logs and Manuals Examination (LM)****All MODUs****Task:** FMUE-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 compliance with applicable policies, laws, regulations and standards*

- References:**
1. Title 33, Code of Federal Regulations Part 146 OCS - Operations
 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. 77 Federal Register 70172 Lifesaving & Fire-Fighting Equipment, Training & Drills Onboard Offshore Facilities & MODUs Operating on the OCS

Steps		References	Initials
LM03.1	Verify crew and industrial personnel participated in abandonment drill and fire drills	33 CFR 146.205 46 CFR 109.213(c)(2) MODU 09/14.12.1	
LM03.2	Verify drill includes operating davits used for launching liferafts	46 CFR 109.213(d)(1)(vii) MODU 09/14.12.2 SOLAS 09 III/19.3.3.1.7	
LM03.3	Verify different lifeboat(s) are used for each drill	46 CFR 109.213(d)(2) MODU 09/14.12.3 SOLAS 09 III/19.3.2	
LM03.4	Verify lifeboats and rescue boats are launched and operated	46 CFR 109.213(d)(3) & (4) MODU 09/14.12.5 SOLAS 09 III/19.3.3 & 19.3.6	
LM03.5	Examine training records for davit-launched liferaft	46 CFR 109.213(g)(5) MODU 09/14.13 SOLAS 09 III/19.4.3	
LM03.6	Verify voluntary compliance with recommended interim voluntary guidance for lifesaving & fire-fighting equipment training & drills	77 FR 70172, Section II(c) - (e)	

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.*

**Foreign Mobile Offshore Drilling Unit Examiner
(FMUE)****Certificate of Compliance****Logs and Manuals Examination (LM)****All MODUs****Task:** FMUE-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 foreign MODUs may comply with**Standard:** In compliance with applicable policies, laws, regulations and standards

References:

1. Title 33, Code of Federal Regulations Part 146 OCS - Operations
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

Steps		References	Initials
LM04.1	Examine log for record of inspections and maintenance	33 CFR 146.205 46 CFR 109.301(b)(1)(vii) MODU 09/10.18.2	
LM04.2	Examine annual reports	46 CFR 109.301(g)(3) MODU 09/10.18.9 SOLAS 09 III/20.8	
LM04.3	Verify periodic examination of launching appliances and dynamic testing of winch(s)	46 CFR 109.301(i) MODU 09/10.18.12.1 SOLAS 09 III/20.11	
LM04.4	Verify maintenance of falls	46 CFR 109.301(j) MODU 09/10.18.5 SOLAS 09 III/20.4	
LM04.5	Verify periodic examination and operational test of release hook(s)	46 CFR 109.301(i) MODU 09/10.18.12.3 SOLAS 09 III/20.11.3	
LM04.6	Verify discrepancies on servicing reports are corrected	MODU 09/9.19.1	

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.

**Foreign Mobile Offshore Drilling Unit Examiner
(FMUE)****Certificate of Compliance****Logs and Manuals Examination (LM)****All MODUs****Task:** FMUE-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 foreign MODUs may comply with**Standard:** In compliance with applicable policies, laws, regulations and standards

- References:**
1. Title 33, Code of Federal Regulations Part 146 OCS - Operations
 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. Lifesaving Appliances including LSA Code, 2010
 6. SOLAS Amendments 2010 and 2011

Steps		References	Initials
LM05.1	Examine record of inspection and maintenance	33 CFR 146.205 46 CFR 109.301(b)(1)(vii) MODU 09/10.18.2	
LM05.2	Verify weekly inspection and test	46 CFR 109.301(d) MODU 09/10.18.7 SOLAS 09 III/20.6	
LM05.3	Verify monthly inspection	46 CFR 109.301(e) SOLAS 09 III/20.7 MODU 09/10.18.8	
LM05.4	Verify annual inspection and tests of launching appliance(s) and on-load release gear(s)	46 CFR 109.301(f) & (i) SOLAS 09 III/20.11 MODU 09/10.18.12	
LM05.5	Verify periodic overhaul and tests of launching appliance(s), fall(s), winch(s) and release gear(s) (when applicable)	46 CFR 109.301(i)(2) & (j) SOLAS 09 III/20.4; 11.1.3 & 11.2 MODU 09/10.18.5; 10.18.12.1 & .2	
LM05.6	Verify release hook meets IMO revised regulations	SOLAS 10-11 III/1.5 SOLAS Amended 10/11 Reg III/1.5 LSA Code 4.4.7.6.4	
LM05.7	Verify discrepancies on servicing reports are corrected	MODU 09/9.19.1	

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].

**Foreign Mobile Offshore Drilling Unit Examiner
(FMUE)****Certificate of Compliance****Logs and Manuals Examination (LM)****All MODUs**

Task: FMUE-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 foreign MODUs may comply with

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

- References:**
1. Title 33, Code of Federal Regulations Part 146 OCS - Operations
 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. IMO MSC.1/Circ. 1432 Revised Guidelines for the Maintenance and Inspection of Fire Protection Systems & Appliances
 6. CG-ENG Policy Letter 01-14 Lifeboat Release Mechanisms: Policy on Implementation of New SOLAS Regulation III/1.5 & IMO Circular MSC.1/Circ. 1392

Steps		References	Initials
LM06.1	Examine record of inspection and maintenance	33 CFR 146.205 46 CFR 109.435(a) MODU 09/9.19.4.1 & 14.14.2.5	
LM06.2	Verify maintenance plan is onboard and applicable	MODU 09/9.19.4.2 SOLAS 09 II-2/14.2.2.2	
LM06.3	Verify maintenance plan includes systems and appliances	46 CFR 109.223 MODU 09/9.19.4.3 SOLAS 09 II-2/14.2.2.3	
LM06.4	Verify annual inspection and servicing IAW manufacturer's instruction	46 CFR 109.223 MODU 09/9.19.4.1 IMO MSC.1/Circ. 1432	
LM06.5	Verify discrepancies on servicing reports are corrected	MODU 09/9.19.1 CG-ENG Policy Ltr 01-14	

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.

**Foreign Mobile Offshore Drilling Unit Examiner
(FMUE)****Certificate of Compliance****Logs and Manuals Examination (LM)****All MODUs**

Task: FMUE-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 foreign MODUs may comply with

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

- References:**
1. Title 33, Code of Federal Regulations Part 146 OCS - Operations
 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. IMO MSC.1/Circ. 1432 Revised Guidelines for the Maintenance and Inspection of Fire Protection Systems & Appliances

Steps		References	Initials
LM07.1	Examine record of inspection and maintenance	33 CFR 146.205 46 CFR 109.435(a) MODU 09/9.19.4.1 & 14.14.2.5	
LM07.2	Verify maintenance plan is onboard and applicable	MODU 09/9.19.4.2 SOLAS 09 II-2/14.2.2.2	
LM07.3	Verify maintenance plan includes systems	46 CFR 109.223 MODU 09/9.19.4.3 SOLAS 09 II-2/14.2.2.3	
LM07.4	Verify annual inspection and servicing IAW with manufacturer's instructions	46 CFR 109.223 MODU 09/9.19.4.1 IMO MSC.1/Circ. 1432	
LM07.5	Verify discrepancies on servicing reports are corrected	MODU 09/9.19.1	

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.

**Foreign Mobile Offshore Drilling Unit Examiner
(FMUE)****Certificate of Compliance****Logs and Manuals Examination (LM)****All MODUs****Task:** FMUE-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 foreign MODUs may comply with**Standard:** In compliance with applicable policies, laws, regulations and standards

- References:**
1. Title 33, Code of Federal Regulations Part 146 OCS - Operations
 2. Code for the Construction and Equipment of Mobile Offshore Drilling Units (MODU), 2009
 3. Gas Detection System Operation Manual

Steps		References	Initials
LM08.1	Examine record of inspection and maintenance	33 CFR 146.205 MODU 09/9.19.4.1 MODU 09/14.14.2.5	
LM08.2	Verify maintenance plan is onboard and applicable	MODU 09/9.19.4.2	
LM08.3	Verify maintenance plan includes systems	MODU 09/9.19.1 MODU 09/9.19.4.3	
LM08.4	Verify all zones are being tested	MODU 09/9.11.1	
LM08.5	Witness a satisfactory calibration of system(s) (when applicable)	MODU 09/9.19.1.2 Operations Manual	
LM08.6	Verify discrepancies on servicing reports are corrected	MODU 09/9.19.1	

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.

**Foreign Mobile Offshore Drilling Unit Examiner
(FMUE)****Certificate of Compliance****Logs and Manuals Examination (LM)****All MODUs****Task:** FMUE-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 foreign MODUs may comply with**Standard:** In compliance with applicable policies, laws, regulations and standards

- References:**
1. Title 33, Code of Federal Regulations Parts 143 & 146
 2. Title 46, Code of Federal Regulations Parts 108 and 109
 3. Code for the Construction and Equipment of Mobile Offshore Drilling Units (MODU), 2009
 4. American Petroleum Institute (API) Recommended Practice (RP) 2D
 5. American Petroleum Institute (API) Specification for Offshore Pedestal Mounted Cranes 2C

Steps		References	Initials
LM09.1	Verify installation is approved	33 CFR 143.207 46 CFR 108.601 MODU 09/12.1.1	
LM09.2	Verify initial load test	33 CFR 146.205 46 CFR 109.437(b) & API Spec. 2C/1.6.4 MODU 09/12.1.5	
LM09.3	Verify annual inspection	46 CFR 109.521 MODU 09/12.1.6 API RP 2D/4.1.2.5 & 4.2.2	
LM09.4	Verify each rated load test and recertification's	46 CFR 109.437(e) MODU 09/12.1.6 API RP 2D/4.2.3	
LM09.5	Verify if de-rated and load rating chart has been revised (when applicable)	46 CFR 109.521 MODU 09/12.1.4 API RP 2D/4.5 & API Spec. 2C/4.2.1.g	
LM09.6	Verify manual(s) are available	33 CFR 143.207 46 CFR 109.437 (b)& API Spec. 2C/1.6.4 MODU 09/12.1.10	
LM09.7	Verify crane operator(s) are designated in writing and qualified	46 CFR 109.527 API RP 2D/3.1.2	

(Task FMUE-LM09 continued on next page)

LM09.8	Verify discrepancies on servicing reports are corrected	46 CFR 109.521 46 CFR 108.601 MODU 09 9.19.1	
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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 also very important to confirm that all equipment has been properly reinstalled after any examination, testing and/or repairs. Trainee should also have a working knowledge of how crane tests are conducted; especially overload testing. API Standards can be access by registering at the following API website: <http://www.api.org/publications-standards-and-statistics/government>.*



**Foreign Mobile Offshore Drilling Unit Examiner
(FMUE)****Certificate of Compliance****Logs and Manuals Examination (LM)****All MODUs**

Task: FMUE-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 foreign MODUs may comply with

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

- References:**
1. Title 33, Code of Federal Regulations Part 143 OCS - Design & Equipment
 2. Title 46, Code of Federal Regulations Part 61 Marine Engineering - Periodic Tests & Inspections
 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.1

Steps		References	Initials
LM10.1	Determine required testing and inspections	33 CFR 143.207 MSM II/G.3.G.4	
LM10.2	Verify UPV tests (when applicable)	46 CFR 61.10-5(i)(2) MODU 09/4.3.4 MSM II/G.3.G.4	
LM10.3	Verify UPV five year internal inspection (when applicable)	46 CFR 61.10-5(b)(2) MODU 09/4.3.1 MSM II/G.3.G.4	
LM10.4	Verify discrepancies on servicing reports are corrected	MODU 09/9.19.1	

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 know when ultra-sonic testing is acceptable and how to track any repairs completed; as well as how to review ultra-sonic testing reports.

**Foreign Mobile Offshore Drilling Unit Examiner
(FMUE)****Certificate of Compliance****Logs and Manuals Examination (LM)****All MODUs****Task:** FMUE-LM11 Examine Operations Manual**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 compliance with applicable policies, laws, regulations and standards*

- References:**
1. Title 33, Code of Federal Regulations Part 143 OCS - Design & Equipment
 2. Title 46, Code of Federal Regulations Part 108, 109 & 170
 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.1
 5. IMO MSC/Circ. 645 Guidelines for Vessels with Dynamic Positioning Systems & 03-88 Ch-1 Issuance of Letters of Compliance to Foreign Documented MODUs Operating on the OCS of the United States
 6. Marine Technology Society's DPC Dynamic Positioning Operation Guidance (Part 1), 2012

Steps		References	Initials
LM11.1	Verify approval	46 CFR 109.121 MODU 09/14.1 MSM II/G.3.F	
LM11.2	Verify hazardous locations are identified	46 CFR 109.121 MODU 09/14.1.2.15	
LM11.3	Verify manual addresses normal and emergency activities	46 CFR 109.121 MODU Code 14.1.3 & .4	
LM11.4	Verify contents are in English and other language(s) understood by personnel on board	MODU 09/14.1.6 46 CFR 109.121(b) MSM II/G.3.F	
LM11.5	Verify stability calculations contained in manual are approved (stamp/letter)	NVIC 03-88 Ch-1 Section 6 MODU 09/14.1.2 .9, .10 & .16 46 CFR 109.121(a)	
LM11.6	Verify changes affecting lightship data are maintained in lightship data alterations log	33 CFR 143.207 & 46 CFR 108.301 46 CFR 109.227(a) & 170.110 MODU 09/3.1.3 & .4 & 14.1.2.9	
LM11.7	Examine alternative stability criteria accepted by Flag State (when applicable)	46 CFR 109.121(b)(5) MODU 09/3.3.3 MSM II/G.3.E	

(Task FMUE-LM09 continued on next page)

LM11.8	Verify Dynamic Positioning operational requirements	MODU 09/14.1.3.13 DP Ops Guidance 1/4.7 IMO MSC/Circ. 645	
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Verifying Officer Guidance: *Trainee should know and understand the Manual's purpose, format and contents. During the exam, it is very important to verify that the crew is very familiar with the manual and uses it.*



**Foreign Mobile Offshore Drilling Unit Examiner
(FMUE)****Certificate of Compliance****Logs and Manuals Examination (LM)****All MODUs****Task:** FMUE-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 foreign MODUs may comply with***Standard:** *In compliance with applicable policies, laws, regulations and standards***References:**

1. Title 33, Code of Federal Regulations Part 146 OCS - Operations
2. COMDTINST M16000.7B Marine Safety Manual Volume II Material Inspection Ch.1

Steps		References	Initials
LM12.1	Determine applicability	33 CFR 146.201 33 CFR 146.210	
LM12.2	Verify approval letter is on board	33 CFR 146.210(a) 33 CFR 146.140(b)	
LM12.3	Verify content	33 CFR 146.140(d)(1) MSM II/G.3.K	
LM12.4	Verify revision pages for changes	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)	

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 very important to verify that the crew is very familiar with the plan and how to implement it.*

**Foreign Mobile Offshore Drilling Unit Examiner
(FMUE)****Certificate of Compliance****Logs and Manuals Examination (LM)****All MODUs****Task:** FMUE-LM13 Examine construction (booklet) portfolio**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 compliance with applicable policies, laws, regulations and standards*

- References:**
1. Title 33, Code of Federal Regulations Part 143 OCS - Design & Equipment
 2. Title 46, Code of Federal Regulations Part 108 MODU Design & Equipment
 3. Code for the Construction and Equipment of Mobile Offshore Drilling Units (MODU), 2009
 4. ABS Rules for Building and Classing Mobile Offshore Drilling Units (1978)

Steps		References	Initials
LM13.1	Verify presence of copy	33 CFR 143.207 & 46 CFR 108.113 MODU 09/2.13 ABS Rules 7.1.2.25	
LM13.2	Verify reviewed and endorsed by class	46 CFR 108.113 ABS Rules 7.1.2.25	
LM13.3	Verify content	46 CFR 108.113 MODU 09/2.13 ABS Rules 7.1.2.25(i)-(iv)	

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.*

**Foreign Mobile Offshore Drilling Unit Examiner
(FMUE)****Certificate of Compliance****Logs and Manuals Examination (LM)****All MODUs****Task:** FMUE-LM14 Examine Oil Record Book Part II (ORB) (when applicable)**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 compliance with applicable policies, laws, regulations and standards***References:** 1. International Convention for the Prevention of Pollution from Ships (MARPOL) 1973, as modified

Steps		References	Initials
LM14.1	Determine applicability	MARPOL I/36	
LM14.2	Verify operation entries	MARPOL I/36.2	
LM14.3	Verify each completed operation and page is signed	MARPOL I/36.5	
LM14.4	Verify failures of oil discharge monitoring system	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).*

**Foreign Mobile Offshore Drilling Unit Examiner
(FMUE)****Certificate of Compliance****Bridge/Navigation Examination (BN)****All MODUs****Task:** FMUE-BN01 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 foreign MODUs may comply with***Standard:** *In compliance with applicable policies, laws, regulations and standards***References:**

1. Title 33, Code of Federal Regulations Part 164 Navigation Safety Regulations
2. Code for the Construction and Equipment of Mobile Offshore Drilling Units (MODU), 2009

Steps		References	Initials
BN01.1	Verify propeller indicator(s)	33 CFR 164.25 MODU 09/7.4.2.8	
BN01.2	Verify control station indicator(s)	33 CFR 164.25 MODU 09/7.2.5	

Verifying Officer Guidance: *Trainee shall understand how SOLAS and 33 CFR Subchapter P (PWSA) applies to this equipment including demonstrate a working knowledge of the equipment's nomenclature, function(s) and operation.*

**Foreign Mobile Offshore Drilling Unit Examiner
(FMUE)****Certificate of Compliance****Bridge/Navigation Examination (BN)****All MODUs****Task:** FMUE-BN02 Verify operations of communication equipment**Condition:** *During bridge and navigation examination, after giving consideration to the different options of design, equipment, and operating standards that foreign MODUs may comply with***Standard:** *In compliance with applicable policies, laws, regulations and standards***References:**

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

Steps		References	Initials
BN02.1	Verify helicopter communication	MODU 09/11.6	
BN02.2	Verify radio equipment compliance with of SOLAS (when engaged in drilling operations)	MODU 09/11.5 SOLAS 09 IV/7-11	

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

**Foreign Mobile Offshore Drilling Unit Examiner
(FMUE)****Certificate of Compliance****Bridge/Navigation Examination (BN)****All MODUs****Task:** FMUE-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 foreign MODUs may comply with***Standard:** *In compliance with applicable policies, laws, regulations and standards***References:**

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

Steps		References	Initials
BN03.1	Determine applicability	MODU 09/11.10.1 SOLAS 09 V/19.2.1.8	
BN03.2	Verify enclosed bridge sound reception system or other means	MODU 09/11.5.3 SOLAS 09 V/19.2.1.8	
BN03.3	Witness operation	MODU 09/11.5.3 SOLAS 09 V/19.2.1.8	

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

**Foreign Mobile Offshore Drilling Unit Examiner
(FMUE)****Certificate of Compliance****Bridge/Navigation Examination (BN)****All MODUs****Task:** FMUE-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 foreign MODUs may comply with***Standard:** *In compliance with applicable policies, laws, regulations and standards***References:** 1. Code for the Construction and Equipment of Mobile Offshore Drilling Units (MODU), 2009

Steps		References	Initials
BN04.1	Witness operational test of steering gear controls	MODU 09/1.6.2.2 MODU 09/7.5.3 MODU 09/7.5.10	
BN04.2	Verify rudder angle indicator accuracy	MODU 09/7.5.15	
BN04.3	Verify operation of loss of power alarm	MODU 09/7.5.5	
BN04.4	Verify motor overload and phase failure audible and visual alarms	MODU 09/7.6.3	

Verifying Officer Guidance: *Trainee shall understand how SOLAS and 33 CFR Subchapter P (PWSA) applies to this equipment including demonstrate a working knowledge of the equipment's nomenclature, function(s) and operation.*

**Foreign Mobile Offshore Drilling Unit Examiner
(FMUE)****Certificate of Compliance****Bridge/Navigation Examination (BN)****All MODUs****Task:** FMUE-BN05 Examine internal communications**Condition:** *During bridge and navigation examination, after giving consideration to the different options of design, equipment, and operating standards that foreign MODUs may comply with***Standard:** *In compliance with applicable policies, laws, regulations and standards***References:** 1. Code for the Construction and Equipment of Mobile Offshore Drilling Units (MODU), 2009

Steps		References	Initials
BN05.1	Verify means of communication with control room	MODU 09/11.7 MODU 09/7.7	
BN05.2	Verify means of communication with steering gear compartment	MODU 09/7.5.14	
BN05.3	Verify means of communication with all spaces requiring action in case of an emergency	MODU 09/5.7.5	

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

**Foreign Mobile Offshore Drilling Unit Examiner
(FMUE)****Certificate of Compliance****Bridge/Navigation Examination (BN)****All MODUs****Task:** FMUE-BN06 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 foreign MODUs may comply with***Standard:** *In compliance with applicable policies, laws, regulations and standards*

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

Steps		References	Initials
BN06.1	Verify condition of anchor(s)	MODU 09/4.12 ILO -147 3(g) Class Society Rules	
BN06.2	Verify condition of visible anchor chain	MODU 09/4.12 ILO -147 3(g)	

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

**Foreign Mobile Offshore Drilling Unit Examiner
(FMUE)****Certificate of Compliance****Bridge/Navigation Examination (BN)****All MODUs****Task:** FMUE-BN07 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 foreign MODUs may comply with***Standard:** *In compliance with applicable policies, laws, regulations and standards*

- References:**
1. International Convention for the Safety of Life at Sea (SOLAS) 1974, as amended
 2. Code for the Construction and Equipment of Mobile Offshore Drilling Units (MODU), 2009
 3. International Convention on Load Lines (ICLL) 1966, as amended
 4. COMDTINST M16000.7B Marine Safety Manual Volume II Material Inspection Ch.1

Steps		References	Initials
BN07.1	Verify Load Line is permanently marked	MODU 09/3.7.1 ICLL 5-9 MSM II/G.3.A.4	
BN07.2	Verify presence of deck line	ICLL 4	
BN07.3	Verify IMO number	SOLAS 09 XI-1/3	
BN07.4	Verify draught (draft) marks	SOLAS 09 II-1/5.6	

Verifying Officer Guidance: *Trainee shall demonstrate a working knowledge of load-line requirements particularly since there may be different requirements based on the unit's build date and the various Examination Options (A, B or C). Verification may be accomplished by helicopter and any visible parts of the hull seen during the deck walk.*

**Foreign Mobile Offshore Drilling Unit Examiner
(FMUE)****Certificate of Compliance****Bridge/Navigation Examination (BN)****All MODUs**

Task: FMUE-BN08 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 foreign MODUs may comply with

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

- References:**
1. Code for the Construction and Equipment of Mobile Offshore Drilling Units (MODU), 2009
 2. International Convention on the Control of Harmful Anti-Fouling Systems on Ships (AFS), 2001
 3. COMDTINST M16000.7B Marine Safety Manual Volume II Material Inspection Ch.1

Steps		References	Initials
BN08.1	Verify hull/anchor is free of organisms and sediment	MODU 09/2.11 MODU 09/2.16 MSM II/D.1.G.1.t	
BN08.2	Evaluate condition of hull anti fouling coating	MODU 09/2.11 AFS Convention	

Verifying Officer Guidance: Trainee shall demonstrate a working knowledge of the Anti-Fouling Convention's requirements particularly since there may be different requirements based on the unit's build date and the various Examination Options (A, B or C). 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.

**Foreign Mobile Offshore Drilling Unit Examiner
(FMUE)****Certificate of Compliance****General Health & Safety Examination (GH)****All MODUs****Task:** FMUE-GH01 Examine accommodations**Condition:** *During general health and safety examination, after giving consideration to the different options of design, equipment, and operating standards that foreign MODUs may comply with***Standard:** *In compliance with applicable policies, laws, regulations and standards*

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

Steps		References	Initials
GH01.1	Verify berth arrangement and size	46 CFR 108.199 46 CFR 108.201 46 CFR 108.2031	
GH01.2	Verify means of escape	46 CFR 108.151 46 CFR 108.153 MODU 09/9.4	
GH01.3	Verify ventilation	33 CFR 143.207 46 CFR 108.213	
GH01.4	Verify housekeeping practices	33 CFR 146.205 46 CFR 109.203	

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 MLC2006.*

**Foreign Mobile Offshore Drilling Unit Examiner
(FMUE)****Certificate of Compliance****General Health & Safety Examination (GH)****All MODUs****Task:** FMUE-GH02 Examine galley**Condition:** *During general health and safety examination, after giving consideration to the different options of design, equipment, and operating standards that foreign MODUs may comply with***Standard:** *In compliance with applicable policies, laws, regulations and standards***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

Steps		References	Initials
GH02.1	Verify sanitary conditions	46 CFR 109.203	
GH02.2	Verify condition of vents and ducts	MODU 09/9.3.15 & .19	
GH02.3	Verify condition of galley window closures	MODU 09/9.3.22	
GH02.4	Verify galley/adjacent spaces meet structural fire protection requirements	MODU 09/Table 9-1	

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 MLC2006.*

**Foreign Mobile Offshore Drilling Unit Examiner
(FMUE)****Certificate of Compliance****General Health & Safety Examination (GH)****All MODUs****Task:** FMUE-GH03 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 foreign MODUs may comply with***Standard:** *In accordance with current policies, procedures and processes***References:** 1. Title 33, Code of Federal Regulations Part 142 OCS - Workplace Safety & Health

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

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

**Foreign Mobile Offshore Drilling Unit Examiner
(FMUE)****Certificate of Compliance****General Health & Safety Examination (GH)****All MODUs****Task:** FMUE-GH04 Examine hospital space**Condition:** *During general health and safety examination, after giving consideration to the different options of design, equipment, and operating standards that foreign MODUs may comply with***Standard:** *In compliance with applicable policies, laws, regulations and standards*

- 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 108 MODU Design & Equipment
 4. Title 46, Code of Federal Regulations Part 109 MODU Operations

Steps		References	Initials
GH04.1	Determine applicability	33 CFR 146.205 33 CFR 143.207	
GH04.2	Verify sanitary conditions	33 CFR 146.205 46 CFR 109.203	
GH04.3	Verify adequate number of berths	33 CFR 143.207 46 CFR 108.209	
GH04.4	Verify hot and cold water	33 CFR 143.207 46 CFR 108.205(i)	
GH04.5	Ensure excess materials not stored	33 CFR 143.207 46 CFR 108.209	
GH04.6	Verify water closet and bathroom	33 CFR 143.207 46 CFR 108.205(i)	

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 MLC2006.*

**Foreign Mobile Offshore Drilling Unit Examiner
(FMUE)****Certificate of Compliance****General Health & Safety Examination (GH)****All MODUs****Task:** FMUE-GH05 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 foreign MODUs may comply with***Standard:** *In compliance with applicable policies, laws, regulations and standards***References:** 1. Code for the Construction and Equipment of Mobile Offshore Drilling Units (MODU), 2009

Steps		References	Initials
GH05.1	Verify operation of ventilation closures	MODU 09/9.15.1	
GH05.2	Verify remote shutdowns	MODU 09/9.15.2	
GH05.3	Verify fuel tank(s) shutoff valve operation	MODU 09/9.15.3	
GH05.4	Verify communications with navigating bridge	MODU 09/7.7	

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

**Foreign Mobile Offshore Drilling Unit Examiner
(FMUE)****Certificate of Compliance****General Health & Safety Examination (GH)****All MODUs****Task:** FMUE-GH06 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 foreign MODUs may comply with***Standard:** *In compliance with applicable policies, laws, regulations and standards***References:** 1. Code for the Construction and Equipment of Mobile Offshore Drilling Units (MODU), 2009

Steps		References	Initials
GH06.1	Verify permanent piping for oxyacetylene installation (when applicable)	MODU 09/9.17.1.1	
GH06.2	Examine gas cylinder storeroom(s) (when applicable)	MODU 09/9.17.1.2 MODU 09/9.17.1.3	
GH06.3	Verify storage of cylinders	MODU 09/9.17.1.2 MODU 09/9.17.1.6	
GH06.4	Verify process for removal of gas cylinders	MODU 09/9.17.1.4	
GH06.5	Verify warning signs	MODU 09/9.17.1.5	

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

**Foreign Mobile Offshore Drilling Unit Examiner
(FMUE)****Certificate of Compliance****General Health & Safety Examination (GH)****All MODUs****Task:** FMUE-GH07 Examine hydrogen sulphide (sulfide) 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 foreign MODUs may comply with***Standard:** *In compliance with applicable policies, laws, regulations and standards***References:** 1. Code for the Construction and Equipment of Mobile Offshore Drilling Units (MODU), 2009

Steps		References	Initials
GH07.1	Verify areas monitored	MODU 09/9.12.1	
GH07.2	Verify operation of audible and visual indicators	MODU 09/9.12.1	
GH07.3	Verify sufficient portable gas detectors	MODU 09/9.12.2	

Verifying Officer Guidance: *Trainee shall demonstrate a working knowledge of the equipment's components, function(s), type approval and operation including the dangers associated with Hydrogen Sulphide 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).*

**Foreign Mobile Offshore Drilling Unit Examiner
(FMUE)****Certificate of Compliance****General Health & Safety Examination (GH)****All MODUs****Task:** FMUE-GH08 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 foreign MODUs may comply with***Standard:** *In compliance with applicable policies, laws, regulations and standards*

- References:**
1. Code for the Construction and Equipment of Mobile Offshore Drilling Units (MODU), 2009
 2. International Code for Fire Safety Systems (FSS Code), 2007

Steps		References	Initials
GH08.1	Verify means of escape and confirm accessibility	MODU 09/9.4.1.3	
GH08.2	Verify emergency escape lighting arrangements	MODU 09/5.4.6.1	
GH08.3	Verify escape route is marked and illuminated	MODU 09/9.4.1.4	
GH08.4	Verify arrangement of machinery space escape ladders	MODU 09/9.4.2	
GH08.5	Verify Emergency Escape Breathing Devices (EEBDs) in escape routes	MODU 09/9.6	
GH08.6	Verify EEBDs are in serviceable condition	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.*

**Foreign Mobile Offshore Drilling Unit Examiner
(FMUE)****Certificate of Compliance****General Health (GH)****All MODUs****Task:** FMUE-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 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.1

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

Verifying Officer Guidance:

**Foreign Mobile Offshore Drilling Unit Examiner
(FMUE)****Certificate of Compliance****Lifesaving Equipment Examination (LS)****All MODUs****Task:** FMUE-LS01 Examine general emergency systems**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 compliance with applicable policies, laws, regulations and standards*

- References:**
1. Code for the Construction and Equipment of Mobile Offshore Drilling Units (MODU), 2009
 2. IMO Resolution A.1021(26) Code on Alerts & Indicators, 2009

Steps		References	Initials
LS01.1	Verify alarm activation points	MODU 09/5.7.2	
LS01.2	Verify operational test of audible and visual general alarm signals	MODU 09/5.7.2 IMO Res A.1021(26)	
LS01.3	Verify connection to emergency power source	MODU 09/5.4.6.4.1	
LS01.4	Verify public address system is audible	MODU 09/5.7.3	
LS01.5	Verify general alarm system tests	MODU 09/10.18.7.4	

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

**Foreign Mobile Offshore Drilling Unit Examiner
(FMUE)****Certificate of Compliance****Lifesaving Equipment Examination (LS)****All MODUs****Task:** FMUE-LS02 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 compliance with applicable policies, laws, regulations and standards*

- References:**
1. Title 33, Code of Federal Regulations Part 140 OCS - General
 2. Code for the Construction and Equipment of Mobile Offshore Drilling Units (MODU), 2009
 3. 77 Federal Register 70172 Lifesaving & Fire-Fighting Equipment, Training & Drills Onboard Offshore Facilities & MODUs Operating on the OCS
 4. NVIC 03-88 Ch-1 Issuance of Letters of Compliance to Foreign Documented MODUs Operating on the OCS of the United States

Steps		References	Initials
LS02.1	Determine applicability	33 CFR 140.101 MODU 09/10.8-10.10 NVIC 03-88 Ch-1	
LS02.2	Verify embarkation and launching arrangement	MODU 09/10.10	
LS02.3	Verify stowage	MODU 09/10.9	
LS02.4	† Verify dedicated rescue boat is provided	77 FR 70172	
LS02.5	† Verify master is aware of 77 FR 70172	77 FR 70172 II(d)	
LS02.6	Verify operating instructions are posted in the vicinity	MODU 09/10.17 77 FR 70172 II(d)	
LS02.7	Witness operation of engine	MODU 09/10.18.7.2	

Verifying Officer Guidance: *Trainee shall demonstrate a working knowledge of the system's components, function(s) and operation. Steps annotated with a (†) are voluntary compliance items for the MODU. When examining/verifying, inspectors should emphasize the importance and background for why these recommendations are in place (see FR and other references for details). 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.*

**Foreign Mobile Offshore Drilling Unit Examiner
(FMUE)****Certificate of Compliance****Lifesaving Equipment Examination (LS)****All MODUs****Task:** FMUE-LS03 Examine muster and embarkation stations**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 compliance with applicable policies, laws, regulations and standards***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

Steps		References	Initials
LS03.1	Determine applicability	MODU 09/10.4	
LS03.2	Examine muster and embarkation stations arrangements	MODU 09/10.4.1, .2, .5 & .6	
LS03.3	Verify embarkation ladders meet requirements	MODU 09/10.4.7 & .8	
LS03.4	Verify emergency lighting configuration and operation	MODU 09/5.4.6.1 MODU 09/10.4.3 & .7 MODU 09/10.7.6	
LS03.5	Verify emergency lighting testing requirements	46 CFR 109.213(d)(6) MODU 09/14.12.2	

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.*

**Foreign Mobile Offshore Drilling Unit Examiner
(FMUE)****Certificate of Compliance****Lifesaving Equipment Examination (LS)****All MODUs****Task:** FMUE-LS04 Examine fixed metal ladders**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 compliance with applicable policies, laws, regulations and standards***References:** 1. Code for the Construction and Equipment of Mobile Offshore Drilling Units (MODU), 2009

Steps		References	Initials
LS04.1	Verify locations and accessibility to waterline	MODU 09/10.4.7	
LS04.2	Verify ladders and sea areas are illuminated by emergency lighting	MODU 09/10.4.7	
LS04.3	Verify alternative means of escape to waterline (if fixed ladders are not installed)	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 MODUs. Trainee shall demonstrate an understanding of ladder accessibility, how to resolve excessive marine growth and how to assess ladder integrity.*

**Foreign Mobile Offshore Drilling Unit Examiner
(FMUE)****Certificate of Compliance****Lifesaving Equipment Examination (LS)****All MODUs****Task:** FMUE-LS05 Examine inflatable liferafts and davit launched arrangements**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 compliance with applicable policies, laws, regulations and standards*

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

Steps		References	Initials
LS05.1	Verify type approval	33 CFR 140.101(e) 46 CFR 108.525/530/540 MODU 09/10.3.2-6	
LS05.2	Verify liferaft capacity requirements	MODU 09/10.3.2, .3, .5, .6	
LS05.3	Verify stowage	MODU 09/10.6 MODU 09/10.3.3, 10.5, 10.4.6 MODU 09/10.5, 10.4.6	
LS05.4	Evaluate launching arrangements	33 CFR 140.101(e) 46 CFR 109.213(d)(vii) MODU 09/10.6.2, .6 & .7	
LS05.5	Verify launching illustration and instructions posted	MODU 09/10.17	

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

**Foreign Mobile Offshore Drilling Unit Examiner
(FMUE)****Certificate of Compliance****Lifesaving Equipment Examination (LS)****All MODUs****Task:** FMUE-LS06 Examine lifeboats**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 compliance with applicable policies, laws, regulations and standards*

- 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. Lifesaving Appliances including LSA Code, 2010
 4. IMO MSC.1/Circ. 1206/Rev.1 Measures to Prevent Accidents with Lifeboats
 5. 77 Federal Register 70172 Lifesaving & Fire-Fighting Equipment, Training & Drills Onboard Offshore Facilities & MODUs Operating on the OCS

Steps		References	Initials
LS06.1	Determine applicability	MODU 09/10.3.1 LSA Code 4.6 77 FR 70172 II(b)	
LS06.2	Verify fire protection components and operations	MODU 09/10.5 MODU 09/10.18.1 LSA Code 4.8 & .9	
LS06.3	Examine release gear(s)	MODU 09/10.7.1 LSA Code 8 IMO MSC.1/Circ. 1206/Rev.1	
LS06.4	Verify instructions inside for release gear	MODU 09/10.17 LSA Code 4.7.6	
LS06.5	Verify type approval	MODU 09/10.3.1 MODU 09/10.3.4 LSA Code 4.8	
LS06.6	Verify stowage	MODU 09/10.6 46 CFR 109.301(f)	
LS06.7	Verify required equipment is present	MODU 09/10.6.1.4 LSA Code 4.4.8 MODU 09/10.18.6	
LS06.8	† Determine rated capacity from data plate	77 FR 70172 II(b)	
LS06.9	Verify instructions inside for release gear	MODU 09/10.17	
LS06.10	Witness operation of engine	MODU 09/14.12.4	

(Task FMUE-LS06 continued on next page)

Verifying Officer Guidance: Trainee shall demonstrate a working knowledge of the equipment, function(s) and operation. Steps annotated with a (†) are voluntary compliance items for the MODU. When examining/verifying, inspectors should emphasize the importance and background for why these recommendations are in place (see FR and other references for details). 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.



**Foreign Mobile Offshore Drilling Unit Examiner
(FMUE)****Certificate of Compliance****Lifesaving Equipment Examination (LS)****All MODUs****Task:** FMUE-LS07 Examine boat davits**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 compliance with applicable policies, laws, regulations and standards*

- 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
 3. Lifesaving Appliances including LSA Code, 2010

Steps		References	Initials
LS07.1	Examine condition of davit(s) and associated components	MODU 09/10.18.1 SOLAS 09 III/20.2 LSA Code 8	
LS07.2	Verify survival craft launching arrangement on column stabilized or self-elevating unit	MODU 09/10.17	
LS07.3	Verify operator has unobstructed view during launching and recovery operations	MODU 09/10.7.5 MODU 09/10.7.2	
LS07.4	Verify falls are of adequate length for survival craft to reach water	MODU 09/10.7.5	

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.*

**Foreign Mobile Offshore Drilling Unit Examiner
(FMUE)****Certificate of Compliance****Firefighting Systems Examination (FF)****All MODUs**

Task: FMUE-FF01 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 foreign MODUs may comply with*

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

- References:**
1. Title 33, Code of Federal Regulations Part 143 OCS - Design & Equipment
 2. Title 46, Code of Federal Regulations Part 108 MODU Design & Equipment
 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. IMO Resolution A.687(17) Fire Test Procedures for Ignitability of Primary Deck Coverings

Steps		References	Initials
FF01.1	Determine applicability	33 CFR 143.207 46 CFR 108.131 MODU 09/9.2	
FF01.2	Determine fire protection needed	46 CFR 108.133-.143 MODU 09/9-1 Table	
FF01.3	Verify SFP boundaries with fire control plan	46 CFR 108.131 MODU 09/9.2 SOLAS 09 II-2/9.2.3	
FF01.4	Ensure no unapproved SFP modifications	46 CFR 108.131 MODU 09/9.2 SOLAS 09 II-2/5.3	
FF01.5	Evaluate fire door(s) operation	46 CFR 108.133 MODU 09/9.2.9 & 9.2.10 IMO Res A.687(17)	
FF01.6	Verify multi-cable transits (MCT's) are compatible with fire boundary	46 CFR 108.131 MODU 09/9.2.4 MODU 09/9.3.13	
FF01.7	Verify ventilation closures are compatible with fire boundary	46 CFR 108.131 MODU 09/9.3.13	
FF01.8	Verify pipes/standoffs are compatible with fire boundary	46 CFR 108.131 MODU 09/9.2.4 MODU 09/9.3.13	

(Task FMUE-FF01 continued on next page)

FF01.9	Verify no unapproved space modification(s) that would affect space categorization	46 CFR 108.131 MODU 09/9.1 MODU 09/9.2.5	
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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.*



**Foreign Mobile Offshore Drilling Unit Examiner
(FMUE)****Certificate of Compliance****Firefighting Systems Examination (FF)****All MODUs****Task:** FMUE-FF02 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 foreign MODUs may comply with***Standard:** *In compliance with applicable policies, laws, regulations and standards*

- References:**
1. Code for the Construction and Equipment of Mobile Offshore Drilling Units (MODU), 2009
 2. International Code for Fire Safety Systems (FSS Code), 2007
 3. IMO Resolution A.1021(26) Code on Alerts & Indicators, 2009

Steps		References	Initials
FF02.1	Verify operation	MODU 09/9.5 FSS Code 9.2.1.4 FSS Code 9.2.3.1.2 & .3	
FF02.2	Verify power sources	MODU 09/9.5 FSS Code 9.2.2	
FF02.3	Verify operation of alarms	MODU 09/ 9.5 FSS Code 9.2.5.1 IMO Res A.1021(26)	

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.*

**Foreign Mobile Offshore Drilling Unit Examiner
(FMUE)****Certificate of Compliance****Firefighting Systems Examination (FF)****All MODUs****Task:** FMUE-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 foreign MODUs may comply with***Standard:** *In compliance with applicable policies, laws, regulations and standards***References:** 1. Code for the Construction and Equipment of Mobile Offshore Drilling Units (MODU), 2009

Steps		References	Initials
FF03.1	Verify areas monitored	MODU 09/9.11.1	
FF03.2	Verify operation of audible and visual indicators	MODU 09/9.11.1	
FF03.3	Verify sufficient portable gas detectors	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 U.S. requirements, 89 MODU Code and 79 MODU Code differ from the 09 MODU Code.*

**Foreign Mobile Offshore Drilling Unit Examiner
(FMUE)****Certificate of Compliance****Firefighting Systems Examination (FF)****All MODUs****Task:** FMUE-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 foreign MODUs may comply with***Standard:** *In compliance with applicable policies, laws, regulations and standards.***References:** 1. Code for the Construction and Equipment of Mobile Offshore Drilling Units (MODU), 2009

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

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

**Foreign Mobile Offshore Drilling Unit Examiner
(FMUE)****Certificate of Compliance****Firefighting Systems Examination (FF)****All MODUs****Task:** FMUE-FF05 Examine fire main system(s)**Condition:** *During firefighting equipment examination, after giving consideration to the different options of design, equipment, and operating standards that foreign MODUs may comply with***Standard:** *In compliance with applicable policies, laws, regulations and standards***References:**

1. Title 33, Code of Federal Regulations Part 143 OCS - Design & Equipment
2. Title 46, Code of Federal Regulations Part 108 MODU Design & Equipment
3. Code for the Construction and Equipment of Mobile Offshore Drilling Units (MODU), 2009

Steps		References	Initials
FF05.1	Determine applicability	33 CFR 143.207 46 CFR 108.415 MODU 09/9.7	
FF05.2	Verify number of pumps	46 CFR 108.415 MODU 09/9.7.5	
FF05.3	Verify location(s)	46 CFR 108.417 MODU 09/9.7.1 & .2	
FF05.4	Verify remote start operation	MODU 09/9.7.6	
FF05.5	Verify pressure	46 CFR 108.421 MODU 09/9.7.3	
FF05.6	Verify relief valve installation	46 CFR 108.417 MODU 09/9.7.9	
FF05.7	Verify fire station arrangements	46 CFR 108.425 MODU 09/9.7.3 MODU 09/9.7.21 & .22	
FF05.8	Verify no connections other than ones necessary for fire fighting	MODU 09/9.7.15	

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.*

**Foreign Mobile Offshore Drilling Unit Examiner
(FMUE)****Certificate of Compliance****Firefighting Systems Examination (FF)****All MODUs****Task:** FMUE-FF06 † Examine deluge system**Condition:** *During firefighting equipment examination, after giving consideration to the different options of design, equipment, and operating standards that foreign MODUs may comply with***Standard:** *In compliance with applicable policies, laws, regulations and standards***References:** 1. 77 Federal Register 70172 Lifesaving & Fire-Fighting Equipment, Training & Drills Onboard Offshore Facilities & MODUs Operating on the OCS

Steps		References	Initials
FF06.1	† Confirm voluntary installation locations	77 FR 70172	
FF06.2	† Confirm alternative arrangement (when applicable)	77 FR 70172	
FF06.3	† Verify drill floor has adequate coverage for area	77 FR 70172	
FF06.4	† Verify condition of nozzles and piping	77 FR 70172	
FF06.5	† Verify access to system activation points	77 FR 70172	
FF06.6	† Verify protection of components	77 FR 70172	
FF06.7	† Verify on Fire Control Plan	77 FR 70172	

Verifying Officer Guidance: *Trainee shall demonstrate a working knowledge of the equipment's components, function(s), type approval and operation. Trainee must understand that the installation of deluge systems is currently voluntary.*

**Foreign Mobile Offshore Drilling Unit Examiner
(FMUE)****Certificate of Compliance****Dynamic Positioning Examination (DP)****All MODUs****Task:** FMUE-DP01 Examine operational capabilities of Dynamic Positioning (DP) systems**Condition:** Prior to initial Certificate of Compliance and Renewal**Standard:** Voluntary compliance with applicable guidance

- References:**
1. Code for the Construction and Equipment of Mobile Offshore Drilling Units (MODU), 2009
 2. 77 Federal Register 26562 MODU Dynamic Positioning Guidance
 3. IMO MSC/Circ. 645 Guidelines for Vessels with Dynamic Positioning Systems
 4. CG-5PC Policy Letter Voluntary Reporting of Dynamic Positioning (DP) Incidents on MODUs
 5. Marine Technology Society's DPC Dynamic Positioning Operation Guidance (Part 2), 2012

Steps		References	Initials
DP01.1	Determine equipment class	MODU 09/4.13 & IMO MSC/Circ. 645 2.2 77 FR 26562 MTS DP Ops Guide 2/App 1. 4.1	
DP01.2	Verify master is aware of voluntary guidance	77 FR 26562	
DP01.3	Verify Well Specific Operating Guidelines (WSOGs)	MTS DP Ops Guide 2/App 1. 4.8 & 4.11 CG-5PC Policy Ltr	
DP01.4	Verify System's Critical Activity Mode of Operation (CAMO)	MTS DP Ops Guide 2/App 1. 4.8	
DP01.5	Verify records of DP incidents	MTS DP Ops Guide 2/App 1. 3.2, Table A, Item 10 MTS DP Ops Guide 2/App 1. 4.11	
DP01.6	Verify presence of DP operating manual	MTS DP Ops Guide 2/App 1. 4.7 IMO MSC/Circ. 645 4 MODU 09/14.1.3.13	
DP01.7	Verify initial, periodic and annual survey(s)	MTS DP Ops Guide 2/App 1. 4.2 IMO MSC/Circ. 645 5.1	

(Task FMUE-DP01 continued on next page)

DP01.8	Verify tests after modifications and non-conformities	MTS DP Ops Guide 2/App 1.4.2 IMO MSC/Circ. 645 5.1.1.4	
DP01.9	Verify Class Approved Failure Modes and Effects Analysis (FMEA)	MTS DP Ops Guide 2/App 1.4.2 77 FR 26562	

Verifying Officer Guidance: *Trainee shall demonstrate a 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.*



**Foreign Mobile Offshore Drilling Unit Examiner
(FMUE)****Certificate of Compliance****Dynamic Positioning Examination (DP)****All MODUs****Task:** FMUE-DP02 Examine DP's power management system**Condition:** Prior to initial Certificate of Compliance and Renewal**Standard:** Voluntary compliance with applicable guidance

- References:**
1. Code for the Construction and Equipment of Mobile Offshore Drilling Units (MODU), 2009
 2. 77 Federal Register 26562 MODU Dynamic Positioning Guidance
 3. IMO MSC/Circ. 645 Guidelines for Vessels with Dynamic Positioning Systems
 4. Marine Technology Society's DPC Dynamic Positioning Operation Guidance (Part 2), 2012
 5. Approved DP Failure Modes and Effects Analysis
 6. Approved DP Failure Modes and Effects Analysis Proving Trials

Steps		References	Initials
DP02.1	Conduct meeting on test procedures	Approved DP FMEA Approved DP FMEA Proving Trials 77 FR 26562	
DP02.2	Verify power available in accordance with WSOG and CAMO modes	IMO MSC/Circ. 645 3.2.5 MTS DP Ops Guide 2/App 1. 4.8	
DP02.3	Witness bus-tie breakers separate automatically and standby generator comes on line (when not latched up)	MODU 09/4.13 Approved DP FMEA IMO MSC/Circ. 645 3.2.3 & .4	
DP02.4	Verify system meets stated classification	MODU 09/4.3 IMO MSC/Circ. 645 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.

**Foreign Mobile Offshore Drilling Unit Examiner
(FMUE)****Certificate of Compliance****Dynamic Positioning Examination (DP)****All MODUs****Task:** FMUE-DP03 Examine DP's thruster system(s)**Condition:** *Prior to initial Certificate of Compliance and Renewal***Standard:** *Voluntary compliance with applicable guidance*

- References:**
1. Code for the Construction and Equipment of Mobile Offshore Drilling Units (MODU), 2009
 2. 77 Federal Register 26562 MODU Dynamic Positioning Guidance
 3. IMO MSC/Circ. 645 Guidelines for Vessels with Dynamic Positioning Systems
 4. Approved DP Failure Modes and Effects Analysis
 5. Approved DP Failure Modes and Effects Analysis Proving Trials

Steps		References	Initials
DP03.1	Conduct meeting on test procedures	Approved DP FMEA Approved DP FMEA Proving Trials 77 FR 26562	
DP03.2	Verify system meets stated classification	MODU 09/4.13 IMO MSC/Circ. 645 2.2 Approved DP FMEA	
DP03.3	Confirm thrusters are station keeping IAW WSOG	IMO MSC/Circ. 645 3.3.1	
DP03.4	Witness standby thruster automatically comes on line	IMO MSC/Circ. 645 3.3.2	
DP03.5	Verify thruster(s) not in operation are at zero pitch and speed	IMO MSC/Circ. 645 3.3.4	
DP03.6	Verify manual thruster controls	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), type approval and operation. DP requirements are referenced in IMO MODU Code (09) 4.13 which is incorporated by reference in IMO MSC/Circ. 645.*

**Foreign Mobile Offshore Drilling Unit Examiner
(FMUE)****Certificate of Compliance****Dynamic Positioning Examination (DP)****All MODUs****Task:** FMUE-DP04 Examine DP's control systems**Condition:** Prior to initial Certificate of Compliance and Renewal**Standard:** Voluntary compliance with applicable guidance

- References:**
1. Code for the Construction and Equipment of Mobile Offshore Drilling Units (MODU), 2009
 2. 77 Federal Register 26562 MODU Dynamic Positioning Guidance
 3. IMO MSC/Circ. 645 Guidelines for Vessels with Dynamic Positioning Systems
 4. Marine Technology Society's DPC Dynamic Positioning Operation Guidance (Part 2), 2012
 5. Approved DP Failure Modes and Effects Analysis
 6. Approved DP Failure Modes and Effects Analysis Proving Trials

Steps		References	Initials
DP04.1	Conduct meeting on test procedures	Approved DP FMEA Approved DP FMEA Proving Trials 77 FR 26562	
DP04.2	Witness automatic transfer of operational control to redundant control system	Approved DP FMEA IMO MSC/Circ. 645 3.1.4	
DP04.3	Verify audible and visual alarms	MODU 09/4.13 Approved DP FMEA IMO MSC/Circ. 645 3.4.1.5	
DP04.4	Review alarms records	MODU 09/4.13 Approved DP FMEA IMO MSC/Circ. 645 3.4.1.5	
DP04.5	Verify arrangements to prevent failures from transferring from one system to another	MODU 09/4.13 IMO MSC/Circ. 645 3.4.2.5 IMO MSC/Circ. 645 3.4.1.6	
DP04.6	Verify operation of uninterruptible power supply	MODU 09/4.13 Approved DP FMEA IMO MSC/Circ. 645 3.4.2.7	
DP04.7	Determine vessel position reference systems and sensors	MODU 09/4.13 IMO MSC/Circ. 645 3.4.3-3.4.4 MTS DP Ops Guide 2/App 1.4.4	
DP04.8	Witness operation of loss of position reference system and sensor alarms	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), type approval and operation. DP requirements are referenced in the IMO MODU Code (09) 4.13 which is incorporated by reference in IMO MSC/Circ. 645.

**Foreign Mobile Offshore Drilling Unit Examiner
(FMUE)****Certificate of Compliance****Helicopter Deck Examination (HD)****All MODUs****Task:** FMUE-HD01 Examine helideck**Condition:** *During helideck examination, after giving consideration to the different options of design, equipment, and operating standards that foreign MODUs may comply with***Standard:** *In compliance with applicable policies, laws, regulations and standards***References:**

1. Code for the Construction and Equipment of Mobile Offshore Drilling Units (MODU), 2009
2. COMDTINST M16000.7B Marine Safety Manual Volume II Material Inspection Ch.1

Steps		References	Initials
HD01.1	Examine helicopter deck lights operation and arrangement	MODU 09/13.5.20 MODU 09/13.5.23-26 MSM II/G.3.G.10	
HD01.2	Examine periphery netting arrangement and condition	MODU 09/13.4.2	
HD01.3	Verify deck markings	MODU 09/13.5.5 MODU 09/13.5.6-7 MODU 09/13.5.18	
HD01.4	Verify deck is free of obstructions	MODU 09/13.5.15	
HD01.5	Verify main and emergency personnel access route	MODU 09/13.4.3	
HD01.6	Verify structural fire protection requirements	MODU 09/9.16.2 MODU 09/9.3	
HD01.7	Verify wind indicator	MODU 09/13.5.1	
HD01.8	Verify skid-resistance surface	MODU 09/13.3.4	
HD01.9	Verify operation of H2S warning light	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.*

**Foreign Mobile Offshore Drilling Unit Examiner
(FMUE)****Certificate of Compliance****Helo Deck Examination (HD)****All MODUs****Task:** FMUE-HD02 Examine helideck fire fighting systems**Condition:** *During helideck examination, after giving consideration to the different options of design, equipment, and operating standards that foreign MODUs may comply with***Standard:** *In compliance with applicable policies, laws, regulations and standards***References:** 1. Code for the Construction and Equipment of Mobile Offshore Drilling Units (MODU), 2009

Steps		References	Initials
HD02.1	Verify dry powder extinguishers	MODU 09/9.16.4.1	
HD02.2	Verify CO2 extinguishers	MODU 09/9.16.4.2	
HD02.3	Verify foam is appropriate type	MODU 09/9.16.4.4	
HD02.4	Verify CO2 extinguishers	MODU 09/9.16.4.3	
HD02.5	Verify additional fire-fighting outfits	MODU 09/9.16.4.6	
HD02.6	Verify additional equipment required	MODU 09/9.16.4.7	
HD02.7	Verify arrangements for drainage	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.*

**Foreign Mobile Offshore Drilling Unit Examiner
(FMUE)****Certificate of Compliance****Helo Deck Examination (HD)****All MODUs****Task:** FMUE-HD03 Examine refueling station**Condition:** *During helideck examination, after giving consideration to the different options of design, equipment, and operating standards that foreign MODUs may comply with***Standard:** *In compliance with applicable policies, laws, regulations and standards***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

Steps		References	Initials
HD03.1	Inspect portable fuel storage tank(s)	46 CFR 109.557 MODU 09/9.16.6.4	
HD03.2	Verify tank(s) are remote as practical	MODU 09/9.16.6.1	
HD03.3	Verify tank(s) are isolated from ignition source(s)	MODU 09/9.16.6.1	
HD03.4	Verify tank area(s) have containment	MODU 09/9.16.6.2	
HD03.5	Verify emergency shutdown(s)	MODU 09/9.16.6.5	
HD03.6	Verify pump has running indicator light	MODU 09/9.16.6.7	
HD03.7	Verify unit is outfitted with grounding device	MODU 09/9.16.6.9	
HD03.8	Verify pumping unit over pressurization device	MODU 09/9.16.6.8	
HD03.9	Verify signs posted	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.*

**Foreign Mobile Offshore Drilling Unit Examiner
(FMUE)****Certificate of Compliance****Machinery Equipment Examination (MI)****All MODUs****Task:** FMUE-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 compliance with applicable policies, laws, regulations and standards***References:** 1. Code for the Construction and Equipment of Mobile Offshore Drilling Units (MODU), 2009

Steps		References	Initials
MI01.1	Examine bilge system components	MODU 09/4.9.1 MODU 09/4.9.3	
MI01.2	Verify system arrangement(s) including flood protection	MODU 09/4.9.1 MODU 09/4.9.8.1 MODU 09/4.11	
MI01.3	Verify valve indicators	MODU 09/4.9.6 MODU 09/3.6.2	
MI01.4	Witness operation of alarms	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.*

**Foreign Mobile Offshore Drilling Unit Examiner
(FMUE)****Certificate of Compliance****Machinery Equipment Examination (MI)****All MODUs****Task:** FMUE-MI02 Examine arrangements for propulsion engine(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 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
 3. IMO Resolution A.1021(26) Code on Alerts & Indicators, 2009
 4. IMO MSC/Circ. 834 Guidelines for Engine-Room Layout, Design & Arrangement
 5. Classification Society Rules

Steps		References	Initials
MI02.1	Examine condition of components	MODU 09/4.1.3 IMO MSC/Circ. 834 Class Society Rules	
MI02.2	Verify machinery covers and guards	MODU 09/4.1.1 & .3 Class Society Rules	
MI02.3	Verify required gauges	MODU 09/2.1.3 IMO Res A.1021(26) Class Society Rules	
MI02.4	Verify set point and operation of over speed shut-down	MODU 09/2.1.3 & 4.3.3 & .7 IMO Res A.1021(26) Class Society Rules	
MI02.5	Verify set point and operation of lube oil shut-down	MODU 09/2.1.3 & 4.3.3 & .7 IMO Res A.1021(26) Class Society Rules	
MI02.6	Verify set point and operation of high jacket water temperature alarm	MODU 09/2.1.3 IMO Res A.1021(26) Class Society Rules	
MI02.7	Verify procedures to bring vessel into operation from a dead ship condition	MODU 09/4.3.9 IMO MSC/Circ. 834	
MI02.8	Verify manual override activation indicators	MODU 09/4.6.2 IMO Res A.1021(26)	

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: These prime movers are considered "other than generators" and all machinery shut-off set points should be IAW Manufacturer's instruction and the relevant Classification Society Rules.*

**Foreign Mobile Offshore Drilling Unit Examiner
(FMUE)****Certificate of Compliance****Machinery Equipment Examination (MI)****Column Stabilized Units**

Task: FMUE-MI03 Examine ballast pumps installation, piping, and valves Column Stabilized Units

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 compliance with applicable policies, laws, regulations and standards

References:

1. Code for the Construction and Equipment of Mobile Offshore Drilling Units (MODU), 2009
2. Classification Society Rules

Steps		References	Initials
MI03.1	Determine applicability	MODU 09/1.2 MODU 09/4.10	
MI03.2	Verify pump local/remote arrangement(s)	MODU 09/4.10.3 MODU 09/4.10.11 &.12	
MI03.3	Verify emergency power requirements	MODU 09/4.10.6 MODU 09/5.4.6.7	
MI03.4	Verify local/remote valve operation	MODU 09/4.10.13	
MI03.5	Verify piping material and condition	MODU 09/4.10.7 Class Society Rules	
MI03.6	Verify Ballast Control Station Arrangement	MODU 09/4.10.10	
MI03.7	Verify marking(s) components	MODU 09/4.10.8 MODU 09/4.10.17	
MI03.8	Verify tank level indicator(s) and draft reading operation	MODU 09/4.10.14 MODU 09/4.10.15	
MI03.9	Verify means of communication	MODU 09/4.10.19	

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: **MODU Code 4.10 applies to Column Stabilized Units.**

**Foreign Mobile Offshore Drilling Unit Examiner
(FMUE)****Certificate of Compliance****Machinery Equipment Examination (MI)****Drill Ship**

Task: FMUE-MI04 Examine ballast pumps installation, piping and valves on ship-shaped hulls

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 compliance with applicable policies, laws, regulations and standards*

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		References	Initials
MI04.1	Determine applicability	MODU 09/14.1.2	
MI04.2	Verify contents of Loading and Unloading Booklet	SOLAS 09 VI/7.2.2 SOLAS 09 VI/7.7	
MI04.3	Verify material condition of equipment	SOLAS 09 II-1/35-1.2.4	

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. Note: ** This card is in addition to MI03 for ship-shaped MODUs.***

**Foreign Mobile Offshore Drilling Unit Examiner
(FMUE)****Certificate of Compliance****Machinery Equipment Examination (MI)****All MODUs****Task:** FMUE-MI05 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 compliance with applicable policies, laws, regulations and standards***References:** 1. Code for the Construction and Equipment of Mobile Offshore Drilling Units (MODU), 2009

Steps		References	Initials
MI05.1	Verify condition	MODU 09/4.8.4 MODU 09/4.8.6	
MI05.2	Verify arrangement of system(s)	MODU 09/4.8.1-.3 MODU 09/4.8.6	
MI05.3	Verify condition of tank vent(s)	MODU 09/4.8.5	
MI05.4	Verify arrangement of pressurized fuel piping	MODU 09/4.8.7 MODU 09/8.3.1	
MI05.5	Verify means to prevent overflow spillage	MODU 09/8.3.2	
MI05.6	Verify high temperature alarm (when applicable)	MODU 09/8.3.3	
MI05.7	Witness test of remote operated valve(s)	MODU 09/9.15.3	

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.*

**Foreign Mobile Offshore Drilling Unit Examiner
(FMUE)****Certificate of Compliance****Machinery Equipment Examination (MI)****All MODUs****Task:** FMUE-MI06 Examine Unfired Pressure Vessels (UPVs)**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 compliance with applicable policies, laws, regulations and standards*

- References:**
1. Code for the Construction and Equipment of Mobile Offshore Drilling Units (MODU), 2009
 2. COMDTINST M16000.7B Marine Safety Manual Volume II Material Inspection Ch.1
 3. BSEE/USCG MOA OCS-08 Mobile Offshore Drilling Units (MODUs)

Steps		References	Initials
MI06.1	Determine applicability	MSM II/G.3.G.4 MOA OCS-08 Annex 1/22.J	
MI06.2	Verify arrangement of Pressure Relief Valve(s) (PRV)	MODU 09/4.3.4 MODU 09/4.7.1	
MI06.3	Verify marking(s) of PRV	MSM II/G.3.G.4	
MI06.4	Verify arrangement of UPV	MODU 09/4.3.2 MSM II/G.3.G.4	
MI06.5	Verify marking(s) of UPV	MODU 09/4.3.1 MSM II/G.3.G.4	
MI06.6	Examine external condition of UPV	MSM II/G.3.G.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. 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.*

**Foreign Mobile Offshore Drilling Unit Examiner
(FMUE)****Certificate of Compliance****Machinery Equipment Examination (MI)****All MODUs****Task:** FMUE-MI07 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 foreign MODUs may comply with***Standard:** *In compliance with applicable policies, laws, regulations and standards***References:** 1. Code for the Construction and Equipment of Mobile Offshore Drilling Units (MODU), 2009

Steps		References	Initials
MI07.1	Examine condition of steering gear system	MODU 09/1.6.2.2	
MI07.2	Verify automatic start after power failure	MODU 09/7.5.5	
MI07.3	Verify accuracy of rudder angle indicator	MODU 09/7.5.16	
MI07.4	Verify non-conventional rudder arrangements (thrusters)	MODU 09/7.5.18	
MI07.5	Verify running indication for motors	MODU 09/7.6.1	
MI07.6	Verify operation of means of communications	MODU 09/7.5.14	
MI07.7	Witness functional system tests	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 02 azimuth motors that are identified as the primary steering units.*

**Foreign Mobile Offshore Drilling Unit Examiner
(FMUE)****Certificate of Compliance****Machinery Equipment Examination (MI)****All MODUs**

Task: FMUE-MI08 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 foreign MODUs may comply with*

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

- References:**
1. Code for the Construction and Equipment of Mobile Offshore Drilling Units (MODU), 2009
 2. IMO Resolution A.1021(26) Code on Alerts & Indicators, 2009
 3. IMO MSC/Circ. 834 Guidelines for Engine-Room Layout, Design & Arrangement
 4. Classification Society Rules

Steps		References	Initials
MI08.1	Examine condition of components	MODU 09/4.1.3 IMO MSC/Circ. 834 Class Society Rules	
MI08.2	Verify installation of machinery covers and guards	MODU 09/4.1.3 Class Society Rules	
MI08.3	Verify required gauges	MODU 09/2.1.3 IMO Res A.1021(26) Class Society Rules	
MI08.4	Verify set point and operation of over speed shut-down	MODU 09/2.1.3 & 4.3.7 IMO Res A.1021(26) Class Society Rules	
MI08.5	Verify set point and operation of lube oil shut-down	MODU 09/2.1.3 & 4.3.7 IMO Res A.1021(26) Class Society Rules	
MI08.6	Verify set point and operation of high jacket water temperature alarm	MODU 09/2.1.3 & 4.3.7 IMO Res A.1021(26) Class Society Rules	
MI08.7	Verify operation of reverse power relays	MODU 09/5.3.7.2 Class Society Rules	
MI08.8	Verify procedures to bring vessel into operation from a dead ship condition	MODU 09/4.3.9	

(Task FMUE-MI08 continued on next page)

MI08.9	Verify manual override activation indicators	MODU 09/4.6.2	
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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.*



**Foreign Mobile Offshore Drilling Unit Examiner
(FMUE)****Certificate of Compliance****Machinery Equipment Examination (MI)****All MODUs****Task:** FMUE-MI09 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 foreign MODUs may comply with***Standard:** *In compliance with applicable policies, laws, regulations and standards*

- References:**
1. Code for the Construction and Equipment of Mobile Offshore Drilling Units (MODU), 2009
 2. IMO Resolution A.1021(26) Code on Alerts & Indicators, 2009
 3. IMO MSC/Circ. 834 Guidelines for Engine-Room Layout, Design & Arrangement
 4. Classification Society Rules

Steps		References	Initials
MI09.1	Determine requirement	MODU 09/5.4	
MI09.2	Examine condition of components	MODU 09/4.1.3 IMO MSC/Circ. 834 Class Society Rules	
MI09.3	Verify installation of machinery covers and guards	MODU 09/4.1.3 IMO MSC/Circ. 834	
MI09.4	Verify two starting resources	MODU 09/5.5.2	
MI09.5	Verify operation of auto-start function	MODU 09/5.4.8	
MI09.6	Verify required gauges	MODU 09/2.1.3 IMO Res A.1021(26)	
MI09.7	Verify operation of remote fuel shutoff valve	MODU 09/9.15.3	
MI09.8	Verify set point and operation of over speed shut-down	MODU 09/2.1.3 & 4.3.7 IMO Res A.1021(26) Class Society Rules	
MI09.9	Verify set point and operation of lube oil shut-down	MODU 09/2.1.3 & 4.3.7 Class Society Rules	
MI09.10	Verify set point and operation of high jacket water temperature alarm	MODU 09/2.1.3 & 4.3.7 IMO Res A.1021(26) Class Society 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 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.*

**Foreign Mobile Offshore Drilling Unit Examiner
(FMUE)****Certificate of Compliance****Electrical Systems Examination (ES)****All MODUs****Task:** FMUE-ES01 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 compliance with applicable policies, laws, regulations and standards*

- References:**
1. Code for the Construction and Equipment of Mobile Offshore Drilling Units (MODU), 2009
 2. International Electrotechnical Commission (IEC) 60529 International Protection Marking (IP Code)
 3. International Electrotechnical Commission (IEC) 61111 Live Working - Electrical Insulating Matting

Steps		References	Initials
ES01.1	Verify openings and accesses in switchboard are guarded	MODU 09/5.6.3 MODU 09/5.6.5 IEC 60529	
ES01.2	Verify non-conductive mats or gratings	MODU 09/5.6.5 IEC 61111	
ES01.3	Verify condition of meters, controls, and gauges	MODU 09/5.1.1.3	
ES01.4	Verify markings	MODU 09/5.6.14	

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.*

**Foreign Mobile Offshore Drilling Unit Examiner
(FMUE)****Certificate of Compliance****Electrical Systems Examination (ES)****All MODUs****Task:** FMUE-ES02 Examine motor controllers**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 compliance with applicable policies, laws, regulations and standards*

- References:**
1. Code for the Construction and Equipment of Mobile Offshore Drilling Units (MODU), 2009
 2. International Electrotechnical Commission (IEC) 60529 International Protection Marking (IP Code)

Steps		References	Initials
ES02.1	Verify condition of enclosure	MODU 09/5.1.1.4	
ES02.2	Verify markings	MODU 09/5.6.14	
ES02.3	Verify drip-proof/watertight	MODU 09/5.6.21 IEC 60529	

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.*

**Foreign Mobile Offshore Drilling Unit Examiner
(FMUE)****Certificate of Compliance****Electrical Systems Examination (ES)****All MODUs**

Task: FMUE-ES03 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 foreign MODUs may comply with*

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

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

Steps		References	Initials
ES03.1	Verify administration approved documentation	MODU 09/8.2.5	
ES03.2	Verify fire detection system alarms	MODU 09/9.10.3.1	
ES03.3	Verify engineers' alarm is operational	MODU 09/8.7.1.2	
ES03.4	Verify alarm system fail to safety principle	MODU 09/8.7.1.3 & .4	
ES03.5	Verify alarm system is continuously powered	MODU 09/8.7.2 MODU 09/8.7.3	
ES03.6	Verify alarms can not be inhibited	MODU 09/8.7.4	
ES03.7	Verify any serious malfunction of any machinery or boiler operations initiates automatic shutdown	MODU 09/8.9	
ES03.8	Verify operation of Oil Mist Detection system	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.*

**Foreign Mobile Offshore Drilling Unit Examiner
(FMUE)****Certificate of Compliance****Electrical Systems Examination (ES)****All MODUs****Task:** FMUE-ES04 Examine electrical components in hazardous area(s)**Condition:** *During electrical system examination, after giving consideration to the different options of design, equipment, and operating standards that foreign MODUs may comply with***Standard:** *In compliance with applicable policies, laws, regulations and standards*

- References:**
1. Title 33, Code of Federal Regulations Part 143 OCS - Design & Equipment
 2. Title 46, Code of Federal Regulations Part 108 MODU Design & Equipment
 3. Code for the Construction and Equipment of Mobile Offshore Drilling Units (MODU), 2009
 4. 77 Federal Register 71607 MODU Electrical Equipment Certification Guidance

Steps		References	Initials
ES04.1	† Determine applicability	33 CFR 143.207 & 46 CFR 108.170 MODU 09/6.6 77 FR 71607	
ES04.2	Review hazardous location plan	46 CFR 108.171-.175 MODU 09/1.2.15	
ES04.3	Verify electrical equipment	46 CFR 108.177 MODU 09/6.6	
ES04.4	Verify system integrity	46 CFR 108.177 MODU 09/6.6 MODU 09/6.7.3	
ES04.5	Verify master is aware of Federal Register Notice (when applicable)†	77 FR 71607	
ES04.6	† Verify electrical equipment is tested by third-party	MODU 09/6.6 77 FR 71607	

Verifying Officer Guidance: *Trainee shall demonstrate a working knowledge of the equipment's components, function(s) and operation. Steps annotated with a (†) are voluntary compliance items for the MODU. When examining/verifying, inspectors should emphasize the importance and background for why these recommendations are in place (see FR and other references for details - CG Maritime Information Exchange <http://cgmix.uscg.mil/>). In particular, trainee needs to know how the U.S. requirements, 89 MODU Code and 79 MODU Code differ from the 09 MODU Code.*

**Foreign Mobile Offshore Drilling Unit Examiner
(FMUE)****Certificate of Compliance****Electrical Systems Examination (ES)****All MODUs****Task:** FMUE-ES05 Examine machinery in hazardous areas**Condition:** *During electrical system examination, after giving consideration to the different options of design, equipment, and operating standards that foreign MODUs may comply with***Standard:** *In compliance with applicable policies, laws, regulations and standards***References:** 1. Code for the Construction and Equipment of Mobile Offshore Drilling Units (MODU), 2009

Steps		References	Initials
ES05.1	Identify hazardous locations with machinery	MODU 09/6.2	
ES05.2	Verify machinery is approved	MODU 09/6.7.1 MODU 09/6.7.3	
ES05.3	Verify fire equipment is approved	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.*

**Foreign Mobile Offshore Drilling Unit Examiner
(FMUE)****Certificate of Compliance****Electrical Systems Examination (ES)****All MODUs**

Task: FMUE-ES06 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 foreign MODUs may comply with*

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

References:

1. Title 33, Code of Federal Regulations Part 143 OCS - Design & Equipment
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

Steps		References	Initials
ES06.1	Determine applicability	33 CFR 143.207 46 CFR 108.170 MODU 09/6.1 & 6.4	
ES06.2	Verify arrangement of hazardous area openings	46 CFR 108.171 & .173 46 CFR 108.175 MODU 09/6.3	
ES06.3	Verify arrangements for ventilation	46 CFR 108.181 MODU 09/6.3 MODU 09/6.4	
ES06.4	Examine condition of boundaries	46 CFR 108.171 & .173 46 CFR 108.175 MODU 09/6.3	
ES06.5	Verify alarm	46 CFR 108.171 & .173 46 CFR 108.175 MODU 09/6.3	

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.*

**Foreign Mobile Offshore Drilling Unit Examiner
(FMUE)****Certificate of Compliance****Electrical Systems Examination (ES)****All MODUs****Task:** FMUE-ES07 Examine emergency shutdown & disconnect(s)**Condition:** *During electrical system examination, after giving consideration to the different options of design, equipment, and operating standards that foreign MODUs may comply with***Standard:** *In compliance with applicable policies, laws, regulations and standards***References:** 1. Code for the Construction and Equipment of Mobile Offshore Drilling Units (MODU), 2009

Steps		References	Initials
ES07.1	Verify location(s) of activation points	MODU 09/6.5.3	
ES07.2	Verify arrangements to prevent inadvertent activation	MODU 09/6.5.4	
ES07.3	Verify system(s) operation after emergency shutdown	MODU 09/6.5.5	
ES07.4	Verify testing	MODU 09/14.14.2	

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. Trainee also needs to understand the impact that testing might have on any ongoing operations onboard the MODU.*

**Foreign Mobile Offshore Drilling Unit Examiner
(FMUE)****Certificate of Compliance****Structural/Watertight Integrity Examination (SW)****All MODUs****Task:** FMUE-SW01 Examine general condition hull and structural members**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 compliance with applicable policies, laws, regulations and standards*

- References:**
1. Title 33, United States Code § 1321 Oil & Hazardous Substance Liability
 2. Title 33, Code of Federal Regulations Part 143 & Title 46, Code of Federal Regulations Part 108
 3. Code for the Construction and Equipment of Mobile Offshore Drilling Units (MODU), 2009
 4. International Convention for the Prevention of Pollution from Ships (MARPOL) 1973, as modified
 5. International Convention on Load Lines (ICLL) 1966, as amended
 6. COMDTINST M16000.7B Marine Safety Manual Volume II Material Inspection Ch.1

Steps		References	Initials
SW01.1	Evaluate hull for signs of pollution/illegal discharge	33 USC 1321 MARPOL I/15	
SW01.2	Examine condition of ladderways, guardrails, fire mains, piping, hatch covers & watertight/weathertight closures	MODU 09/2.1.3 MSM II/D.1.G.1.b(1)	
SW01.3	Evaluate hull strength and integrity	33 CFR 143.207 & 46 CFR 108.113 MODU 09/2.1.3 ICLL 66 Annex I/1	
SW01.4	Evaluate Critical Structural Areas	33 CFR 143.207 46 CFR 108.113 MODU 09/2.2.3.1.3	

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 class) for action.*

**Foreign Mobile Offshore Drilling Unit Examiner
(FMUE)****Certificate of Compliance****Structural/Watertight Integrity Examination (SW)****All MODUs****Task:** FMUE-SW02 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 compliance with applicable policies, laws, regulations and standards*

- References:**
1. Title 33, Code of Federal Regulations Part 143 OCS - Design & Equipment
 2. Title 46, Code of Federal Regulations Part 174 Subdivision & Stability - Specific Vessel Types
 3. International Convention on Load Lines (ICLL) 1966, as amended
 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, 2009

Steps		References	Initials
SW02.1	Access condition and components	MODU 09/3.6.5 SOLAS 09 II-I/13-1.1 ICLL I/12, 17 & 18	
SW02.2	Access condition of ventilator closures	MODU 09/3.6.1 MODU 09/3.6.5 & .6 ICLL I/19(4)	
SW02.3	Verify quick acting type doors local/remote alarms (when applicable)	MODU Code 3.6.5.2 SOLAS 09 II-1/13-1.3	
SW02.4	Verify local/remote operation of power watertight door opening/closing controls	33 CFR 143.207 46 CFR 174.100 MODU 09/3.6.5.1 & 3	
SW02.5	Verify local/remote operation of audible and visual alarm/indicators	MODU Code 3.6.5.2 MODU Code 3.6.5.3 SOLAS 09 II-I/13-1.2 & .3	

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 operator doors. ASTM F1187 ASTM F1197 can be used as a knowledge reference but cannot be used as a deficiency reference.*

**Foreign Mobile Offshore Drilling Unit Examiner
(FMUE)****Certificate of Compliance****Structural/Watertight Integrity Examination (SW)****All MODUs****Task:** FMUE-SW03 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 compliance with applicable policies, laws, regulations and standards*

- References:**
1. Code for the Construction and Equipment of Mobile Offshore Drilling Units (MODU), 2009
 2. International Convention on Load Lines (ICLL) 1966, as amended

Steps		References	Initials
SW03.1	Ensure all penetrations are watertight	MODU 09/3.6.1 SOLAS 09 II-1/15-1	
SW03.2	Verify down-flooding openings have watertight closings	MODU 09/3.6.7 MODU 09/3.7.2 ICLL 1/19 & 20	
SW03.3	Evaluate condition of watertight door(s) and hatches	MODU 09/3.6.3 ICLL 1/22	

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.*

**Foreign Mobile Offshore Drilling Unit Examiner
(FMUE)****Certificate of Compliance****Cargo Systems Examination (CS)****All MODUs****Task:** FMUE-CS01 Examine marine portable tanks (MPT)**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 compliance with applicable policies, laws, regulations and standards*

- 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		References	Initials
CS01.1	Determine applicability	33 CFR 146.205 46 CFR 109.557 46 CFR 98.30-5	
CS01.2	Verify DOT labeling/placards	46 CFR 109.557 49 CFR 172.326	
CS01.3	Verify additional fire fighting equipment	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)	

Verifying Officer Guidance: *Trainee shall demonstrate a basic working knowledge of MPTs 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.*

**Foreign Mobile Offshore Drilling Unit Examiner
(FMUE)****Certificate of Compliance****Cargo Systems Examination (CS)****All MODUs****Task:** FMUE-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 compliance with applicable policies, laws, regulations and standards*

- 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 108 MODU Design & Equipment
 4. Title 46, Code of Federal Regulations Part 109 MODU Operations
 5. Code for the Construction and Equipment of Mobile Offshore Drilling Units (MODU), 2009
 6. American Petroleum Institute (API) Recommended Practice (RP) 2D - Operation & Maintenance of Offshore Cranes

Steps		References	Initials
CS02.1	Determine applicability	33 CFR 143.207 & 46 CFR 108.601 33 CFR 146.205 & 46 CFR 109.521 MODU 09/12.1	
CS02.2	Examine components	API RP 2D/App. C	
CS02.3	Verify controls are marked	46 CFR 108.601(b)(1) MODU 09/12.1.1	
CS02.4	Verify instruments have lighting	46 CFR 108.601(b)(2) MODU 09/12.1.1	
CS02.5	Verify correct load chart for configuration in use	46 CFR 109.525 MODU 09/12.1.7 API RP 2D/C.4.1.2a	
CS02.6	Verify alarms	MODU 09/12.1.8 & .10 API RP 2D/C.4.1.2b API RP 2D/C.4.1.2c	
CS02.7	Verify crane record book	33 CFR 146.205 (c) 46 CFR 109.437 API RP 2D/Section 3	

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(2), safety limits, and API standards.*

**Foreign Mobile Offshore Drilling Unit Examiner
(FMUE)****Certificate of Compliance****Emergency Drills (ED)****All MODUs****Task:** FMUE-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 compliance with applicable policies, laws, regulations and standards*

- References:**
1. Title 33, Code of Federal Regulations Part 146 OCS - Operations
 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		References	Initials
ED01.1	Determine applicability	33 CFR 146.205 46 CFR 109.213 MODU 09/1.2	
ED01.2	Witness fire fighting drill procedures and crew perform assigned duties	46 CFR 109.213(b) MODU 09/14.12.2	
ED01.3	Verify crew's ability to organize into an effective team to respond to an emergency	46 CFR 109.213(f)(2) MODU 09/14.9.1 & .2	
ED01.4	Verify effective communication between crew on scene and master in command center	46 CFR 109.213(f)(2)(iv) MODU 09/14.12.2 IMO Res A.891(21)	
ED01.5	Witness debrief of drill	MODU 09/14.12.2 IMO Res A.891(21) 1.4.6	
ED01.6	Evaluate crew's knowledge for responding to helideck incidents	MODU 09/14.2 MODU 09/14.12	

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.*

**Foreign Mobile Offshore Drilling Unit Examiner
(FMUE)****Certificate of Compliance****Emergency Drills (ED)****All MODUs****Task:** FMUE-ED02 Evaluate Abandon Ship 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 compliance with applicable policies, laws, regulations and standards*

- References:**
1. Title 33, Code of Federal Regulations Part 146 OCS - Operations
 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)
 5. 77 Federal Register 70172 Lifesaving & Fire-Fighting Equipment, Training & Drills Onboard Offshore Facilities & MODUs Operating on the OCS

Steps		References	Initials
ED02.1	Determine applicability	33 CFR 146.205 46 CFR 109.213 MODU 09/1.2	
ED02.2	Witness abandon ship drill procedures and crew perform assigned duties	46 CFR 109.213(d) MODU 09/14.12.2	
ED02.3	Witness crew's competency to deploy and launch different lifeboats	46 CFR 109.213(d) MODU 09/14.12.3	
ED02.4	Verify crew are proficient on donning lifejackets	MODU 09/14.12.4.1	
ED02.5	Witness a debrief of drill	MODU 09/14.12.2 IMO Res A.891(21) 1.4.6	
ED02.6	† Verify voluntary guidance for number of personnel	77 FR 70172 II(b)	
ED02.7	† Verify arrangements for helpless person on stretcher to board	77 FR 70172 II(b)	

Verifying Officer Guidance: *Trainee shall understand the importance of abandon ship drills and the criteria for properly evaluating the effectiveness of an abandon ship drill including crew competency. In addition, the trainee shall know how to properly evaluate the crew's ability to take a proper muster and abandon ship in both the primary and secondary locations. Steps annotated with a (†) are voluntary compliance items for the MODU. When examining/verifying, inspectors should emphasize the importance and background for why these recommendations are in place (see FR and other references for details). In addition, trainee should review the safety recommendation contained in the Commandant's Final Action Memo (MODU Deepwater Horizon Investigation) relating to emergency drill.*

**Foreign Mobile Offshore Drilling Unit Examiner
(FMUE)****Certificate of Compliance****Emergency Drills (ED)****All MODUs****Task:** FMUE-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 compliance with applicable policies, laws, regulations and standards*

- References:**
1. Code for the Construction and Equipment of Mobile Offshore Drilling Units (MODU), 2009
 2. 77 Federal Register 70172 Lifesaving & Fire-Fighting Equipment, Training & Drills Onboard Offshore Facilities & MODUs Operating on the OCS

Steps		References	Initials
ED03.1	† Verify master is aware of Federal Register Notice 77 FR 70172	77 FR 70172 II(e)	
ED03.2	† Verify man overboard drills are conducted	77 FR 70172 II(e)	
ED03.3	† Verify recovery procedures are practiced	77 FR 70172 II(e)	
ED03.4	Witness launching, operation, and maneuvering of rescue boat	MODU 09/14.12.5 77 FR 70172 II(e)	

Verifying Officer Guidance: *Trainee shall understand the importance of man overboard drills and the criteria for properly evaluating the effectiveness of an man overboard drill including crew competency in recovering a man overboard. Steps annotated with a (†) are voluntary compliance items for the MODU. When examining/verifying, inspectors should emphasize the importance and background for why these recommendations are in place (see FR and other references for details). In addition, trainee should review the safety recommendation contained in the Commandant's Final Action Memo (MODU Deepwater Horizon Investigation) relating to emergency drills.*

**Foreign Mobile Offshore Drilling Unit Examiner
(FMUE)****Certificate of Compliance****Follow Up Actions (FU)****All MODUs****Task:** FMUE-FU01 Verify International Safety Management (ISM) Code**Condition:** Upon identification of a systemic failure and if ISM is applicable to this MODU**Standard:** In compliance with applicable policies, laws, regulations and standards

References:

1. International Safety Management (ISM) Code
2. IMO Resolution A.1052(27) Procedures for Port State Control, 2011
3. OCMI Policy

Steps		References	Initials
FU01.1	Determine clear grounds to initiate expanded exam	IMO Res A.1052(17) 2.4	
FU01.2	Verify crew familiarity with vessel's Safety Management System (SMS)	ISM Code 6.1	
FU01.3	Verify company responsibilities and authority are clearly defined	ISM Code 3	
FU01.4	Verify record keeping compliance	ISM Code 11	
FU01.5	Verify maintenance requirements	ISM Code 10	
FU01.6	Verify training requirement with SMS	ISM Code 6.3 & .4	
FU01.7	Review audit documentation and ensure follow-up actions	ISM Code 1.4.6, 9.2	
FU01.8	Determine if suspension of drilling operations is required	OCMI Policy	

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 an understanding of BSEE's requirements for SEMS. Trainee should also refer to CD04 for guidance.

**Foreign Mobile Offshore Drilling Unit Examiner
(FMUE)****Certificate of Compliance****Follow Up Actions (FU)****All MODUs****Task:** FMUE-FU02 Issue deficiencies**Condition:** Upon completion of examination with deficiencies found**Standard:** In compliance with applicable policies, laws, regulations and standards

References:

1. COMDTINST M16000.7B Marine Safety Manual Volume II Material Inspection Ch.1
2. Form CG-3585 Certificate of Compliance (COC)
3. Forms CG-5437A/B USCG Port State Control Report of Inspection

Steps		References	Initials
FU02.1	Identify deficiencies	MSM II/D.1.C.8	
FU02.2	Discuss deficiencies and corrective measures/timeframe with vessel's master or representative	MSM II/D.2.C	
FU02.3	Document deficiencies	MSM II/G.3.N.9 CG-3585 CG-5437A/B	
FU02.4	Sign forms (examiner & vessel's representative)	MSM II/G.3.N.9 CG-3585 CG-5437A/B	
FU02.5	Issue documents	MSM II/G.3.N.9 CG-3585 CG-5437A/B	

Verifying Officer Guidance: Any deficiencies that would result in a control action, of any kind, influence the issuance of Certificate of Compliance. Refer to local OCMI, CVC, or District policy for guidance. Trainee shall demonstrate an understanding of how deficiencies are documented and the proper cites used under the various examination options (A, B or C).

**Foreign Mobile Offshore Drilling Unit Examiner
(FMUE)****Certificate of Compliance****Follow Up Actions (FU)****All MODUs****Task:** FMUE-FU03 Issue control action(s)**Condition:** Upon discovery of substantial non-compliance**Standard:** In compliance with applicable policies, laws, regulations and standards

- References:**
1. Code for the Construction and Equipment of Mobile Offshore Drilling Units (MODU), 2009
 2. COMDTINST M16000.7B Marine Safety Manual Volume II Material Inspection Ch.1
 3. Form CG-3585 Certificate of Compliance (COC)
 4. Forms CG-5437A/B USCG Port State Control Report of Inspection
 5. OCMI Policy
 6. Vessel's Well/Drilling profile

Steps		References	Initials
FU03.1	Determine if suspension/non-issuance of COC is warranted	MODU 09/1.7.3 MSM II/G.3.L MSM II/G.3.N.9.f	
FU03.2	Determine control action	MODU 09/1.7.3 MODU 09/1.7.6 OCMI Policy	
FU03.3	Determine impact to drilling operations	MODU 09/1.7.6 Well/Drilling profile	
FU03.4	Evaluate potential well control hazards	MODU 09/1.7.6 Well/Drilling profile	
FU03.5	Determine appropriate point to interrupt drilling operations (when applicable)	MODU 09/1.7.6 Well/Drilling profile	
FU03.6	Explain control action(s) to responsible parties/stakeholders	MODU 09/1.7 CG-3585 CG-5437A/B	
FU03.7	Issue control action(s)	MODU 09/1.7.3 CG-3585 CG-5437A/B	

Verifying Officer Guidance: Trainee shall demonstrate an understanding 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 vessel and any personnel onboard. This includes condition/operational parameters outlined in the Drilling plan, Well Profile and any BSEE approvals.

**Foreign Mobile Offshore Drilling Unit Examiner
(FMUE)****Certificate of Compliance****Follow Up Actions (FU)****All MODUs****Task:** FMUE-FU04 Verify deficiency corrections**Condition:** *During follow-up portion of the exam***Standard:** *In accordance with current policies, procedures and processes*

- References:**
1. COMDTINST M16000.7B Marine Safety Manual Volume II Material Inspection Ch.1
 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. OCMI Policy

Steps		References	Initials
FU04.1	Verify corrected deficiencies	MSM II/D.1.G.3.f CG-3585 CG-5437A/B	
FU04.2	Clear deficiencies	MSM II/A.2.C.2.d CG-3585 CG-5437A/B	
FU04.3	Remove control action (when applicable)	CG-3585 CG-5437A/B	
FU04.4	Make required notifications (when applicable)	OCMI Policy	
FU04.5	Clear deficiencies in MISLE activity	MSM II/A2.C.2.d MISLE Work Instruction	

Verifying Officer Guidance:

**Foreign Mobile Offshore Drilling Unit Examiner
(FMUE)****Certificate of Compliance****Follow Up Actions (FU)****All MODUs****Task:** FMUE-FU05 Endorse certificates**Condition:** *Upon completion of exam***Standard:** *In accordance with current policies, procedures and processes*

References:

1. COMDTINST M16000.7B Marine Safety Manual Volume II Material Inspection Ch.1
2. Form CG-3585 Certificate of Compliance (COC)
3. Forms CG-5437A/B USCG Port State Control Report of Inspection

Steps		References	Initials
FU05.1	Endorse COC	MSM II/G.3.A.2.e CG-3585 CG-5437A/B	
FU05.2	Obtain copy of endorsed certificates	MSM II/G.3.N.9 CG-3585 CG-5437A/B	
FU05.3	Ensure COC is endorsed for correct options	MSM II/G.3.N.9 CG-3585	

Verifying Officer Guidance: *Trainee shall demonstrate a working knowledge of a COC form and the processes and procedures to follow when endorsing it.*

**Foreign Mobile Offshore Drilling Unit Examiner
(FMUE)****Certificate of Compliance****Follow Up Actions (FU)****All MODUs****Task:** FMUE-FU06 Complete Maritime Information for Safety and Law Enforcement (MISLE) Activity**Condition:** *During follow-up portion of the exam***Standard:** *In accordance with current policies, procedures and processes***References:**

1. COMDTINST M16000.7B Marine Safety Manual Volume II Material Inspection Ch.1
2. Mission Management System (MMS) Work Instruction - MISLE Data Entry Requirements for Outer Continental Shelf (OCS) Inspections

Steps		References	Initials
FU06.1	Update examination results with deficiencies issued on Form B	MISLE Work Instruction	
FU06.2	Update activity narrative and special notes (as necessary)	MISLE Work Instruction	
FU06.3	Update details	MISLE 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	
FU06.5	Update documents	MISLE Work Instruction	
FU06.6	Change status to "Open-Submitted for Review"	MISLE Work Instruction	

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 Foreign Flagged MODUs.*

Appendix A

List of Additional References:

Nontechnical Guide to Petroleum Geology, Exploration, Drilling, and Production, Norman J. Hyne, Ph. D.

American Petroleum Institute Recommended Practice 2D, Operation and Maintenance of Offshore Cranes.

American Petroleum Institute Recommended Practice 2C, Specification for Offshore Pedestal Mounted Cranes.

American Petroleum Institute Recommended Practice RP 75, Recommended Practice for Development of a Safety and Environmental Management Program (SEMP) for Offshore Operations and Facilities.

American Bureau of Shipping, Rules for Building and Classing Mobile Offshore Drilling Units.

American Bureau of Shipping, Rules for the Certification of Drilling Systems.

American Society of Mechanical Engineers, Boiler and Pressure Vessel Code.

National Electric Code, Sections 500-505.

International Electrotechnical Commission Standard 60079.

Title 30 Code of Federal Regulations Part 250, Bureau of Safety and Environmental Enforcement (BSEE).

Marine Technology Society, DP Vessel Design Philosophy Guidelines Part 1 & 2

Marine Technology Society, DP Operations Guidance Part 1 & 2

Marine Technology Society, DP Operations Guidance Part 2 Appendix 1-3

BSEE/CG Memorandum of Agreement OCS-08, Mobile Offshore Drilling Units

International Association of Drilling Contractors Lexicon Glossary of Terms.

(<http://www.iadclexicon.org>)

University of Texas, A Dictionary for the Oil and Gas Industry 2nd Edition, 2011

University of Texas, A Primer of Offshore Operations 3rd Edition, 1998

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

[illegible]

Appendix C
Examination Log

DATE	LOCATION	VESSEL NAME	VESSEL TYPE	EXAM TYPE	LEAD EXAMINER

Appendix C
Examination Log

DATE	LOCATION	VESSEL NAME	VESSEL TYPE	EXAM TYPE	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