

Specification of Minimum Standard of Competence for MODU License

***IMO Resolution A.891(21)
Offshore Installation Manager – Table 6.1***

ASSESSMENT NO. OIM 1

FUNCTION: Ballasting and deballasting

COMPETENCE: Plan and ensure safe ballasting and deballasting operations and accounting of changes in deck loads

KNOWLEDGE, UNDERSTANDING & PROFICIENCY:

Knowledge of and ability to apply relevant international and national standards concerning stability. Use of loading stability information as may be contained in or derived from stability and trim diagrams, operations manuals, and/or computer-based loading and stability programs

METHOD FOR DEMONSTRATING COMPETENCE:

Examination and assessment of evidence from one or more of the following (check all that apply):

- in-service experience
- direct observation
- formal instruction
- simulator training; or
- examination

CRITERIA FOR EVALUATING COMPETENCE:

Ballasting and deballasting operations planned and executed in accordance with established procedures. Changes in deck loads are accounted for in accordance with established procedures.

COMPETENCY ESTABLISHED:

An Offshore Installation Manager or approved instructor, who signs below as the Assessor, attests that the mariner has met the requirements to qualify for the Function named above.

Mariner

Date

Assessor (*Signature & Printed Name*)

License Type

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**IMO Resolution A.891(21)
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ASSESSMENT NO. OIM 2

FUNCTION: Trim, Stability and Stress

COMPETENCE: Operational Control, trim, stability and stress

KNOWLEDGE, UNDERSTANDING & PROFICIENCY: Understanding of fundamental principles of MOU construction including principal structural members and required periodic inspections, watertight integrity and damage control.

- Basic knowledge of effects of welding, and effects of corrosion on the structure
- Understanding of fundamental principles and the theories and factors affecting trim and stability and measures necessary to preserve trim and stability
- Understanding the inclining experiment report and its use
- Use of daily loading calculations
- Knowledge of the effect:
 - On trim and stability of MOU in event of damage to and consequent flooding of a compartment, and countermeasures to be taken (afloat mode)
 - Of loading supplies and ballasting in order to keep the unit's stresses within acceptable limits
 - Of mooring systems and mooring line failure
 - Of pre-loading and leg stresses on self-elevating units
 - Of loss of buoyancy

METHOD FOR DEMONSTRATING COMPETENCE:

Examination and assessment of evidence from one or more of the following (check all that apply):

- in-service experience
- direct observation
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- simulator training; or
- examination

CRITERIA FOR EVALUATING COMPETENCE:

MOU structure, stability and stress conditions are maintained within safe limits at all times

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Assessment No. OIM 2 (of 13)

COMPETENCY ESTABLISHED:

An Offshore Installation Manager or approved instructor, who signs below as the Assessor, attests that the mariner has met the requirements to qualify for the Function named above.

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***IMO Resolution A.891(21)
Offshore Installation Manager – Table 6.1***

ASSESSMENT NO. OIM 3

FUNCTION: Safety and Security

COMPETENCE: Maintain safety and security of MOU personnel and the operational condition of life-saving, fire-fighting and other safety systems

KNOWLEDGE, UNDERSTANDING & PROFICIENCY:

Knowledge of life-saving appliance regulations (International Convention for the Safety of Life at Sea) as applicable to MOUs

METHOD FOR DEMONSTRATING COMPETENCE:

Examination and assessment of evidence from one or more of the following (check all that apply):

- in-service experience
- direct observation
- formal instruction
- simulator training; or
- examination

CRITERIA FOR EVALUATING COMPETENCE:

Procedures for monitoring fire-detection and safety systems ensure that all alarms are detected promptly and acted upon in accordance with established emergency procedures. Life-saving appliances and fire-fighting equipment are maintained in accordance with prescribed standards

COMPETENCY ESTABLISHED:

An Offshore Installation Manager or approved instructor, who signs below as the Assessor, attests that the mariner has met the requirements to qualify for the Function named above.

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**IMO Resolution A.891(21)
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ASSESSMENT NO. OIM 4

FUNCTION: Emergency and Damage Control

COMPETENCE: Develop emergency and damage control plans and handle emergency situations

KNOWLEDGE, UNDERSTANDING & PROFICIENCY:

Preparation of contingency plans for response to emergencies. Ship construction, including damage control. Methods and aids for fire prevention, detection and extinction. Functions and use of life-saving appliances. Evacuation from MOU. Precautions to be taken before onset of heavy weather.

METHOD FOR DEMONSTRATING COMPETENCE:

Examination and assessment of evidence from one or more of the following (check all that apply):

- in-service experience
- direct observation
- formal instruction
- simulator training; or
- examination

CRITERIA FOR EVALUATING COMPETENCE:

Emergency procedures are in accordance with the established plans for emergency situations. Communications are clear and effective.

COMPETENCY ESTABLISHED:

An Offshore Installation Manager or approved instructor, who signs below as the Assessor, attests that the mariner has met the requirements to qualify for the Function named above.

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***IMO Resolution A.891(21)
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ASSESSMENT NO. OIM 5

FUNCTION: Emergency Response

COMPETENCE: Respond to emergencies

KNOWLEDGE, UNDERSTANDING & PROFICIENCY:

1. Knowledge of emergency procedures
2. Knowledge of the effect of trim and stability of flooding due to damage, fire fighting, loss of buoyancy or other reasons and countermeasures to be taken
3. Effectively communicate stability-related and damage-control information

METHOD FOR DEMONSTRATING COMPETENCE:

Examination and assessment of evidence from one or more of the following (check all that apply):

- in-service experience
- direct observation
- formal instruction
- simulator training; or
- examination

CRITERIA FOR EVALUATING COMPETENCE:

Established procedures are followed during drills and emergencies. Communications are clear and effective

COMPETENCY ESTABLISHED:

An Offshore Installation Manager or approved instructor, who signs below as the Assessor, attests that the mariner has met the requirements to qualify for the Function named above.

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ASSESSMENT NO. OIM 6

FUNCTION: Safe Transit

COMPETENCE: Monitor MOU Safe from transit, station keeping, mooring and dynamic positioning conditions

KNOWLEDGE, UNDERSTANDING & PROFICIENCY:

Knowledge of:

1. The 1972 Collision Regulations, as amended
2. Navigation and electronic navigational aids appropriate to the type of MOU
3. Towing procedures, including recovery of tow
4. Sea-bed composition and characteristics
5. behaviour of mooring systems and force distributions, including the effect of environmental conditions
6. consequences of mooring system failure
7. anchor placement and recovery, and working with anchor handling vessels
8. principles of dynamic positioning system, including capabilities and limitations of thrusters, power systems and maximum allowable position offsets (For Dynamic Position equipped vessels only)

METHOD FOR DEMONSTRATING COMPETENCE:

Examination and assessment of evidence from one or more of the following (check all that apply):

- in-service experience
- direct observation
- formal instruction
- simulator training; or
- examination

CRITERIA FOR EVALUATING COMPETENCE:

Transit, station keeping, mooring and dynamic positioning operations are within safe limits at all times.
Communications are effective and comply with established procedures

COMPETENCY ESTABLISHED:

An Offshore Installation Manager or approved instructor, who signs below as the Assessor, attests that the mariner has met the requirements to qualify for the Function named above.

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ASSESSMENT NO. OIM 7

FUNCTION: Weather and Oceanographic Condition Forecasting

COMPETENCE: Forecast Weather And Oceanographic Conditions

KNOWLEDGE, UNDERSTANDING & PROFICIENCY:

Knowledge of:

1. Characteristics of weather systems
2. ability to apply available meteorological information to ensure safety of MOU and, upon request, supply other vessels or aircraft with information
3. sources of weather information
4. effects of weather on the MOU environmental limits

METHOD FOR DEMONSTRATING COMPETENCE:

Examination and assessment of evidence from one or more of the following (check all that apply):

- in-service experience
- direct observation
- formal instruction
- simulator training; or
- examination

CRITERIA FOR EVALUATING COMPETENCE:

The likely weather conditions for a determined period are based on all available information. Actions taken to maintain safety of navigation and operations minimize risk to safety of MOU

COMPETENCY ESTABLISHED:

An Offshore Installation Manager or approved instructor, who signs below as the Assessor, attests that the mariner has met the requirements to qualify for the Function named above.

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ASSESSMENT NO. OIM 8

FUNCTION: Personnel Transfer

COMPETENCE: Safe transfer of personnel

KNOWLEDGE, UNDERSTANDING & PROFICIENCY:

Knowledge of:

1. precautions to be taken during transfer of personnel
2. use of the personnel basket
3. helicopter transfers
4. vessel transfers
5. effect of environmental conditions on method of personnel transfer

METHOD FOR DEMONSTRATING COMPETENCE:

Examination and assessment of evidence from one or more of the following (check all that apply):

- in-service experience
- direct observation
- formal instruction
- simulator training; or
- examination

CRITERIA FOR EVALUATING COMPETENCE:

Personnel transfers are conducted safely

COMPETENCY ESTABLISHED:

An Offshore Installation Manager or approved instructor, who signs below as the Assessor, attests that the mariner has met the requirements to qualify for the Function named above.

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ASSESSMENT NO. OIM 9

FUNCTION: Handling of Supplies and Dangerous Goods

COMPETENCE: Plan and ensure safe loading, stowage, securing and handling of supplies, including dangerous goods

KNOWLEDGE, UNDERSTANDING & PROFICIENCY:

Knowledge of:

1. The effect on trim and stability of cargoes and cargo operations
2. Safe handling, stowage and care of equipment, supplies and dangerous goods
3. Crane and lifting equipment, and their inspections
4. Procedures for loading and discharge of helicopters and supply vessels

Precautions during loading, and unloading, and use of dangerous, hazardous, or harmful goods

METHOD FOR DEMONSTRATING COMPETENCE:

Examination and assessment of evidence from one or more of the following (check all that apply):

- in-service experience
- direct observation
- formal instruction
- simulator training; or
- examination

CRITERIA FOR EVALUATING COMPETENCE:

The likely weather conditions for a determined period are based on all available information. Stowage and securing of cargoes and supplies ensures that stability and stress conditions remain within safe limits, and are in accordance with established guidelines and legislative requirements. Information on dangers, hazards and special requirements is recorded in a suitable format for easy reference in the event of an incident.

COMPETENCY ESTABLISHED:

An Offshore Installation Manager or approved instructor, who signs below as the Assessor, attests that the mariner has met the requirements to qualify for the Function named above.

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ASSESSMENT NO. OIM 10

FUNCTION: Pollution Prevention

COMPETENCE: Prevention of pollution

KNOWLEDGE, UNDERSTANDING & PROFICIENCY:

METHOD FOR DEMONSTRATING COMPETENCE:

Examination and assessment of evidence from one or more of the following (check all that apply):

- in-service experience
- direct observation
- formal instruction
- simulator training; or
- examination

CRITERIA FOR EVALUATING COMPETENCE:

Methods and aids to prevent pollution of the environment. Knowledge of relevant international and national requirements, regard should be paid especially to:

1. certificates and other documents required by international conventions or national law, how they may be obtained, and their period of validity
2. responsibilities under relevant international agreements

COMPETENCY ESTABLISHED:

An Offshore Installation Manager or approved instructor, who signs below as the Assessor, attests that the mariner has met the requirements to qualify for the Function named above.

Mariner

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***IMO Resolution A.891(21)
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ASSESSMENT NO. OIM 11

FUNCTION: Safe Work Practices

COMPETENCE: Monitor and control safe working practices

KNOWLEDGE, UNDERSTANDING & PROFICIENCY:

Knowledge of safe working practices, such as:

1. Occupational safety, health and hygiene
2. Hazardous areas
3. Permits to work
4. Work over water
5. Work in confined spaces

Knowledge of personnel training, organization and communication. Understanding and inspection of safety equipment. Identify, evaluate, control new hazards through engineering controls or safe working practices.

METHOD FOR DEMONSTRATING COMPETENCE:

Examination and assessment of evidence from one or more of the following (check all that apply):

- in-service experience
- direct observation
- formal instruction
- simulator training; or
- examination

CRITERIA FOR EVALUATING COMPETENCE:

Operations minimize hazards to personnel

COMPETENCY ESTABLISHED:

An Offshore Installation Manager or approved instructor, who signs below as the Assessor, attests that the mariner has met the requirements to qualify for the Function named above.

Mariner

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Assessor (*Signature & Printed Name*)

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***IMO Resolution A.891(21)
Offshore Installation Manager – Table 6.1***

ASSESSMENT NO. OIM 12

FUNCTION: SOLAS; Environmental Protection

COMPETENCE: Monitor and control compliance with legislative requirements and measures to ensure safety of life at sea and the protection of the marine environment

KNOWLEDGE, UNDERSTANDING & PROFICIENCY:

Knowledge of international maritime law embodied in international agreements and conventions. Regard should be paid to the following subjects:

1. Certificates and other documents required to be carried on board by MOUs by international conventions and/or agreements
2. Responsibilities under the relevant requirements under the:
 - International Convention on Load Lines;
 - International Convention for the Safety of Life at Sea
 - International Convention for the Prevention of Pollution from Ships;
3. Responsibilities under international instruments affecting the safety of the MOU, visitors, crew and cargo
4. Methods and aids to prevent pollution of the marine environment by MOUs
5. National legislation for implementing international agreements and conventions

METHOD FOR DEMONSTRATING COMPETENCE:

Examination and assessment of evidence from one or more of the following (check all that apply):

- in-service experience
- direct observation
- formal instruction
- simulator training; or
- examination

CRITERIA FOR EVALUATING COMPETENCE:

Procedures for monitoring operations and maintenance comply with legislative requirements. Potential non-compliance is promptly and fully identified. Planned renewal and extension of certificates ensures continued validity of surveyed items and equipment

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Assessment No. OIM 12

COMPETENCY ESTABLISHED:

An Offshore Installation Manager or approved instructor, who signs below as the Assessor, attests that the mariner has met the requirements to qualify for the Function named above.

Mariner

Date

Assessor (*Signature & Printed Name*)

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Specification of Minimum Standard of Competence for MODU License

***IMO Resolution A.891(21)
Offshore Installation Manager – Table 6.1***

ASSESSMENT NO. OIM 13

FUNCTION: SOLAS and Protection of Marine Environment

COMPETENCE: Monitor and control compliance with legislative requirements and measures to ensure safety of life at sea and the protection of the marine environment

KNOWLEDGE, UNDERSTANDING & PROFICIENCY:

Procedures for monitoring operations and maintenance comply with legislative requirements. Potential non-compliance is promptly and fully identified. Planned renewal and extension of certificates ensures continued validity of surveyed items and equipment

METHOD FOR DEMONSTRATING COMPETENCE:

Examination and assessment of evidence from one or more of the following (check all that apply):

- in-service experience
- direct observation
- formal instruction
- simulator training; or
- examination

CRITERIA FOR EVALUATING COMPETENCE:

Knowledge of safe working practices, such as:

1. Occupational safety, health and hygiene
2. Hazardous areas
3. Permits to work
4. Work over water
5. Work in confined spaces

Knowledge of personnel training, organization and communication. Understanding and inspection of safety equipment. Identify, evaluate, control new hazards through engineering controls or safe working practices

COMPETENCY ESTABLISHED:

An Offshore Installation Manager or approved instructor, who signs below as the Assessor, attests that the mariner has met the requirements to qualify for the Function named above.

Mariner

Date

Assessor (*Signature & Printed Name*)

License Type

License No.

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