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## CHAPTER 57 - MAINTENANCE SUPERVISOR, MODU/SELF-ELEVATING CERTIFICATE OR ENDORSEMENT

### PART I - GENERAL REQUIREMENTS OF APPLICANTS

- 57.1 Every applicant for an endorsement as Maintenance Supervisor, MODU/Self-Elevating, shall:
- (a) (i) complete 12 months qualifying service on a MODU Self-elevating after obtaining a certificate of competency as Third-Class Engineer (motor); or
  - (ii) complete 24 months qualifying service on a MODU Self-elevating after obtaining equivalent technical qualifications and pass an examination in the following subjects: third class engineering knowledge general, engineering knowledge motor and electrotechnology; \* or
  - (iii) complete 60 months qualifying service on a MODU Self-elevating and pass an examination in the following subjects: third class engineering knowledge general, engineering knowledge motor and electrotechnology;
  - (b) obtain valid and current medical certificate as prescribed in applicable Regulations;
  - (c) hold a valid and current certificate for each of the following courses:
    - (i) Marine Emergency Duties Courses, set out in TP 4957 or approved equivalent;
      - (A) Survival Craft (B1);
      - (B) Marine Fire Fighting (B2); and
      - (C) MED C and D or Command and Control Training as per TP 10937;
    - (ii) Marine Advanced First Aid Course (16 hours) or approved equivalent; and
    - (iii) Propulsion Plant Simulator Course Level I as set out in TP 10935 or approved equivalent;
  - (d) obtain a certificate of completion for each of the following approved Mobile Offshore Drilling Unit Courses or approved equivalent:
    - (i) Hydrogen Sulphide (H<sub>2</sub>S) awareness; and
    - (ii) Basic Offshore Survival (BST); and
  - (e) pass an oral examination.
- \* A certificate issued by a technical college recognized by a province of Canada based upon an accredited two-year course in the electrical, instrumentation and/or mechanical trades or a Canadian inter-provincial journey person's certificate in the electrical, instrumentation or mechanical trades; an exemption in electrotechnology may be granted on the production of evidence of having equivalent qualifications.

These requirements meet the standard of competence set out in IMO Assembly Resolution A21/Res. 891, modified for Maintenance Supervisor, MODU Self-elevating as set out in Part II of this Chapter.

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## PART II-SPECIFICATION OF MINIMUM STANDARD OF COMPETENCE FOR MAINTENANCE SUPERVISOR, MODU SELF-ELEVATING

This table is based on IMO Assembly Resolution A21/Res. 891 table 6.5:

<b>Competence</b>	<b>Knowledge understanding and proficiency</b>	<b>Methods for demonstrating competence</b>	<b>Criteria for evaluating competence</b>
1. Use appropriate tools for fabrication and repair operations typically performed on MOUs	Characteristics and limitations of materials used in construction and repair Characteristics and limitations of processes used for fabrication and repair Properties and parameters considered in the fabrication and repair of systems and components Application of safe working practices in the workshop environment	Successful completion of MODU Specific Oral Examination	Hold a 3 <sup>rd</sup> Class (motor) or equivalent technical certificate or pass appropriate examinations
2. Use hand tools and measuring equipment for dismantling, maintenance, repair and re-assembly of on-board plant and equipment	Design characteristics and selection of materials in construction of equipment Interpretation of machinery drawings and hand tools Operational characteristics of equipment and systems	Successful completion of MODU Specific Oral Examination	Hold a 3 <sup>rd</sup> Class (motor) or equivalent technical certificate or pass appropriate examinations
3. Use hand tools, electrical and electronic measuring and test equipment for fault-finding, maintenance and repair operations	Safety requirements for working on electrical systems Construction and operational characteristics of on-board AC and DC electrical systems and equipment Construction and operation of electrical test and measuring equipment	Successful completion of MODU Specific Oral Examination	Hold a 3 <sup>rd</sup> Class (motor) or equivalent technical certificate or pass appropriate examinations
4. Operate alternators, generators and control systems	Generating plant Appropriate basic electrical knowledge and skills Preparing, starting, coupling and changing over alternators or generators Location of common faults and action to prevent damage Control systems Location of common faults and action to prevent damage	Successful completion of MODU Specific Oral Examination	Hold a 3 <sup>rd</sup> Class (motor) or equivalent technical certificate or pass appropriate examinations
5. Maintain engineering systems, including control systems	Appropriate basic mechanical knowledge and skills Safe isolation of electrical and other types of plant and equipment required before personnel are permitted to work on such plant or equipment Undertake maintenance and repair to plant and equipment	Successful completion of MODU Specific Oral Examination	Hold a 3 <sup>rd</sup> Class (motor) or equivalent technical certificate or pass appropriate examinations

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<b>Competence</b>	<b>Knowledge understanding and proficiency</b>	<b>Methods for demonstrating competence</b>	<b>Criteria for evaluating competence</b>
6. Operate, monitor and evaluate engine and machinery performance and capacity	Operation and maintenance of: engines auxiliary machinery including pumping and piping systems, associated control systems and, if appropriate, jacking systems	Successful completion of MODU Specific Oral Examination	Hold a 3 <sup>rd</sup> Class (motor) or equivalent technical certificate or pass appropriate examinations
7. Detect and identify the cause of machinery malfunctions and correct faults	Detection of machinery malfunction and location of faults to prevent or minimize damage	Successful completion of MODU Specific Oral Examination	Hold a 3 <sup>rd</sup> Class (motor) or equivalent technical certificate or pass appropriate examinations
8. Organize safe maintenance and repair procedures	Marine engineering practice Organizing and carrying out safe maintenance and repair procedure	Successful completion of MODU Specific Oral Examination	Hold a 3 <sup>rd</sup> Class (motor) or equivalent technical certificate or pass appropriate examinations
9. Operate and maintain survival craft and launching systems and systems for fire prevention, detection and extinction	Maintenance of operational condition of survival craft and launching systems and systems for fire prevention, detection and extinction Actions taken to protect the unit and its personnel and limit damage following fire, explosion, collision or grounding	Successful completion of MODU Specific Oral Examination completion of MED B1,B2,C and D training or approved equivalent	Hold a 3 <sup>rd</sup> Class (motor) or equivalent technical certificate or pass appropriate examinations
10. Prevention of pollution	Methods and aid 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	Assessment of On Job Training (OJT) Successful completion of MODU Specific Oral Examination	Hold a 3 <sup>rd</sup> Class (motor) or equivalent technical certificate or pass appropriate examinations
11. Ensure safe working practices	Safe working practices	Assessment of OJT Successful completion of MODU Specific Oral Examination	Hold a 3 <sup>rd</sup> Class (motor) or equivalent technical certificate or pass appropriate examinations