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CHAPTER 52 – BALLAST CONTROL OPERATOR

PART I - GENERAL REQUIREMENTS OF APPLICANTS

52.1 Every applicant for a certificate as Ballast Control Operator, MODU/Surface, shall:

- (a) complete six months service as a Ballast Control Operator Trainee;
- (b) obtain a medical certificate as prescribed in the Crewing Regulations;
- (c) hold a valid and current certificate for each of the following courses:
 - (i) MODU Specific courses set out in TP 10937, or approved equivalent;
 - (A) Basic Offshore Survival (BST),
 - (B) Approved training course in Stability and Ballast Control, Surface,
 - (C) Hydrogen Sulphide (H₂S) awareness, and
 - (D) approved company or onboard training as specified in Part II of this chapter to meet the remaining requirements of IMO Assembly Resolution A21/Res. 891.

These requirements meet the standard of competence set out in IMO Assembly Resolution A21/Res.891, modified for Ballast Control Operator, Surface as set out in Part II of this Chapter.

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PART II-SPECIFICATION OF MINIMUM STANDARD OF COMPETENCE FOR BALLAST CONTROL OPERATOR

This table is based on IMO Assembly Resolution A21/Res.891 table 6.4:

Competence	Knowledge understanding and proficiency	Methods for demonstrating competence	Criteria for evaluating competence
1. Plan and ensure safe ballasting and deballasting operations and accounting of changes in deck loads	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	<i>Stability and Ballast Control MODU Surface</i> course as set out in TP10937 Chapter 8.1	Ballasting and deballasting are planned and executed in accordance with established procedures Changes in deck loads are accounted for in accordance with established procedures
2. Operational control of trim, stability and stress	Understanding of fundamental principles of ship construction and the theories and factors affecting trim and stability and the measures necessary to preserve trim and stability Stability criteria for MOUs, environmental limits and criteria for survival conditions Understanding the inclining experiment report and its use Use of daily loading calculations Dynamical stability Effect of mooring systems and mooring line failure	<i>Stability and Ballast Control MODU Surface</i> course as set out in TP10937 Chapter 8.1	Stability and stress conditions are maintained within established limits at all times
3. Respond to emergencies	Knowledge of emergency procedures Knowledge of the effect on trim and stability of flooding due to damage, fire-fighting, loss of buoyancy or other reasons and countermeasures to be taken Effectively communicate stability-related information	<i>Stability and Ballast Control MODU Surface</i> course as set out in TP10937 Chapter 8.1	Established procedures are followed during drills and emergencies Communications are clear and effective
4. Prevention of pollution	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	Assessment of OJT	Follows pollution prevention procedures established by international convention, national requirements and company policy