

# Assessment Plan

STCW Code: Section A-II/2	Mandatory minimum requirements for certification of masters and chief mates on ships of 500 gross tonnage or more				Table A: Table A-II/2					
Approved Training Program	Management Level Course for Marine Deck Officers (Function 3)				Instructor:	Date Prepared:				
Resources Needed					Assessor:	Approved by:				
Topics	<b>Written Assessment</b>				<b>Practical Assessment</b>					
	No. of Test Items	Assessment Method	Assessment Period	Grading Scheme	<b>Assessment Task</b>				Grading Scheme	
Course Introduction	-	Multiple Choice Questions	Written Exam must be taken before the practical assessment and administered at the end of training period	Obtain at least 75% mark from written test	1. Perform damage stability criteria and calculations on the assessment of ship's response to damage and flooding.	2. Monitor the validity of certificates for timely application before renewal/extension and analyze potential non-compliance with the IMO conventions and legislative requirements in a given scenario.	3. monitor the responsibilities under the following international conventions and instruments, in a given scenarios	4. Evaluate the methods and aids used to prevent pollution of the marine environment by ships in accordance with the established procedures in a given scenario		
1. The fundamental principles of ship construction, theories, factors, and measures necessary to preserve trim and stability	5									
2. The effect on trim and stability of a ship	5									
3. IMO recommendations concerning ship stability	2									
4. International agreements and conventions 4.1 Certificates and other documents required to be carried onboard ship	4									

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4.2 International Conventions and instruments	4	Multiple Choice Questions	Written Exam must be taken before the practical assessment and administered at the end of training period	Obtain at least 75% mark from written test	Stability and stress conditions are maintained within the safe limits	<ul style="list-style-type: none"> <li>Procedures for monitoring operations and maintenance comply with legislative requirements</li> <li>Potential non-compliance is promptly and fully identified</li> </ul>	Planned renewal and extension of certificates ensures continued validity of surveyed items and equipment	Emergency procedures are in accordance with the established plans for emergency situations	Performance of required tasks based on Assessment Criteria using a Checklist
4.3 Methods and aids to prevent pollution	4								
4.4 National legislation for implementing international agreements and conventions	4								
5. Preparation of contingency plans for response to emergencies	5								
6. Ship construction and damage control	5								
7. Methods and aids for fire prevention, detection and extinction	3								
8. Functions and use of life-saving appliances	3								
9. Life-saving appliance regulations (International Convention for the Safety of Life at Sea)	2								
10. Organization of fire and abandon ship drills	6								

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11. Maintenance of life-saving, fire-fighting and other safety systems	4	Multiple Choice Questions	Written Exam must be taken before the practical assessment and administered at the end of training period	Obtain at least 75% mark from written test	5. Analyze the appropriate action of the ship's crew in handling an emergency situation in accordance with the established procedure in a given scenario.	6. Analyze the appropriate emergency and damage control plans based on the results of the evaluation taking into consideration the best management practices in a given scenario.	7. Evaluate the effectiveness of the methods for fire prevention, detection, and extinction and its corresponding aids in accordance with emergency procedures on board	8. Evaluate the effectiveness of the functions and proper use of life-saving appliances on board a ship in accordance with emergency procedures on board	
12. Action to be taken to protect and safeguard of all persons on board	7								
13. Action to limit damage and save the ship	4								
14. Shipboard personnel management and training	6								

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15. International maritime conventions and recommendations, and national legislation	2	Multiple Choice Questions	Written Exam must be taken before the practical assessment and administered at the end of training period	Obtain at least 75% mark from written test	Appropriate action of the ship's crew in handling an emergency situation are applied in accordance with the established procedure	Emergency procedures are in accordance with the established plans for emergency situations	Emergency procedures are in accordance with the established plans for emergency situations	Emergency procedures are in accordance with the established plans for emergency situations	Performance of required tasks based on Assessment Criteria using a Checklist
16. Task and workload management	5								
17. Effective resource management	5								
18. Decision-making techniques	6								
19. Development, implementation, and oversight of standard operating procedures	6								
20. International Medical Guide for Ships involving Dangerous Goods	4								
<b>Total Number of Test Items</b>	<b>100</b>								

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		Multiple Choice Questions	Written Exam must be taken before the practical assessment and administered at the end of training period	Obtain at least 75% mark from written test	9. Plan fire and abandon ship drills in accordance with established emergency procedures in a given scenario.	10. Analyze the appropriate measures to be taken based on the contingency plan manual in a given scenarios .	11. Analyze the appropriate measures to be taken to limit damage and save the ship following a fire, explosion, collision or grounding in accordance with the established procedures.	12. Create appropriate learning, development and operational training requirements and activities in accordance with generally accepted principles .	13. Apply task and workload management in accordance with safe working practices in a given scenario and monitor the effectiveness of task and workload management and adjust as necessary	

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		Multiple Choice Questions	Written Exam must be taken before the practical assessment and administered at the end of training period	Obtain at least 75% mark from written test	Procedures for monitoring fire-detection and safety systems ensure that all alarms are detected promptly and acted upon in accordance with established emergency procedures	Procedures for monitoring fire-detection and safety systems ensure that all alarms are detected promptly and acted upon in accordance with established emergency procedures	Procedures for monitoring fire-detection and safety systems ensure that all alarms are detected promptly and acted upon in accordance with established emergency procedures .	Training objectives and activities are based on assessment of current competence and capabilities and operational requirements  Operations are demonstrated to be in accordance with applicable rules	Operations are planned and resources are allocated as needed in correct priority to perform necessary tasks  Communication is clearly and unambiguously given and received	Performance of required tasks based on Assessment Criteria using a Checklist

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		Multiple Choice Questions	Written Exam must be taken before the practical assessment and administered at the end of training period	Obtain at least 75% mark from written test	14. Apply effective resource management in accordance with the established safety procedures in a given scenario.	15. Apply the most effective decision-making techniques in accordance with the established safety procedures in a given scenario.	16. Develop, implement and oversee standard operating procedures in accordance with operational requirements and applicable rules (e.g. master standing order, night order book, bunkering, cargo operations, etc.) in a given scenario.	

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		Multiple Choice Questions	Written Exam must be taken before the practical assessment and administered at the end of training period	Obtain at least 75% mark from written test	<ul style="list-style-type: none"> <li>Effective leadership behaviors are demonstrated</li> <li>Necessary team member(s) share accurate understanding of current and predicted vessel state and operational status and external environment</li> </ul>	Decisions are most effective for the situation .	Operations are demonstrated to be effective and in accordance with applicable rules	Performance of required tasks based on Assessment Criteria using a Checklist

*Note: The MTI has the prerogative to cluster related tasks into one scenario provided that it addresses all expected learning outcomes in the achievement of the competence and can be assessed in accordance with the specified assessment criteria.*