

# Part B

## Course Outline

MTI shall ensure that all trainees shall be given sufficient time to learn, understand and perform the practical training component of this course. It is understood that the number of hours for demonstration/practical work specified in the table below is indicative and allocated per group. Training hours shall be extended depending on trainees' successful acquisition of the required competence.

Topics	Time Allotment (in hours)	
	Theoretical	Demonstration/ Practical Work
Course Introduction	1.0	-
<i>Competence: Ensure Safe Working Practices</i>		
1. Safe Working Practices	3.0	-
<i>Competence: Manage Safe and Effective Maintenance and Repair Procedures</i>		
2. Marine Engineering Practice	3.0	-
3. Planning maintenance, including statutory and class verifications	-	1.0
4. Planning Repairs	-	1.0
5. Manage Safe and Effective Maintenance and Repair Procedures	-	8.0
<i>Competence: Detect and Identify the Cause of Machinery Malfunctions and Correct Faults</i>		
6. Detection of Machinery Malfunctions, Location of Faults and Action to Prevent Damage	3.0	3.0
7. Inspection and Adjustment of Equipment	3.0	2.0
8. Non-destructive Examination	3.0	1.0
<b>Sub-total</b>	<b>16.0</b>	<b>16.0</b>
<b>Total Training Hours</b>	<b>32.0</b>	
<b>Assessment</b>		

**Note:**

- 1. It is the responsibility of the MTI to determine the number of hours needed for the conduct of assessment both theoretical and practical as maybe applicable taking into account the number of trainees, number of assessors, number of equipment, vis-à-vis the number of test items for theoretical and the number of exercises for practical assessment.*
- 2. Time allotted in the practical demonstration shall be construed as the time allotted for 24 trainees, provided that all trainees have demonstrated the task or scenario specific for management level responsibility, and if the practical exercises are conducted by group, the rotation of roles is required*