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# MARK007 Handle a vessel up to 12 metres

# Training Plan

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| **Required Time**  |
| Number of simulations total: | XX 30(8 per candidate with 24 observations) |
| Time allocation per simulation: | XX minutes’ total (5mins preparation, 20 mins simulation, plus 5 mins debrief after simulation). |
| Time to complete all exercises’, scenarios, and failure training listed above: | Minimum of XX hours simulation (8.5 hours per day including 45 minutes for lunch and two 15 minute breaks for morning & afternoon tea each day). |
| Simulation Training Scenario’s |
| Scenario's will consist of exercises covering arrival, departure, and anchoring. The exercises will include the following contingencies: familiarisation, vessel blackout, loss of thruster, rudder failure. The simulations for each activity will follow a theory and discussion session (90 mins). |
| Simulation activity: | Time Schedule: |
| Exercise 1 | Arrival - good weather, Freighter (3798) a good ship, (familiarisation) |
| Exercise 2 | Departure - moderate environmental conditions, Freighter (3798) a good ship (familiarisation) |
| Exercise 3 | Arrival - moderate environmental conditions, Bulker (3041) a difficult ship, one emergency scenario on arrival (emergency) |
| Exercise 4 | Departure - Moderate environmental conditions, Freighter (3798) a good ship, one emergency scenario on departure (emergency) |
| Exercise 5 | Departure - strong environmental conditions, Bulker (3041) a difficult ship, emergency scenario on departure (emergency) |
| Exercise 6 | Arrival - strong environmental conditions, Bulker (3041) a difficult ship, one emergency scenario on departure (emergency) |
| Exercise 7 | Arrival to port in strong environmental conditions difficult ship, bridge team management for a close quarters situation (emergency) |
| Exercise 8 | Bulker (3041) a arrival to anchorage in moderate environmental conditions difficult ship |
| Procedure to be followed: |
| 1 | STCW regulation’s & Requirements established and abided by (appropriately implemented). |
| 2 | Industry process & protocol followed at all times (Briefing before, and debriefing after exercises). |

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| Scenario Arrivals (1) | **Time schedule is approximately 30 minutes each exercise: 5 minutes preparation, 20 minutes exercise, 5 minutes debrief.** |
| Each exercise will consist of four simulations: | 1. Familiarisation
2. vessel blackout/main engine failure
3. loss of thruster
4. rudder failure
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| **Exercise 1:** Port arrival **Good weather:** 10 kn wind and 0.5m swell Southwest, clear visibility. **Good vessel:** Model Freighter (3798), small coaster is to be used | A1.0, Familiarisation A1.1, vessel blackoutA1.2, loss of thruster A1.3, rudder failure | To be conducted during day 1.30 mins per simulationtotal= 2 hours  |
| **Exercise 2**: Port departure**Moderate weather:** 20kn wind, from the Southwest; 1.0m swell (10second period) from the Southwest. **Good vessel:** Model Freighter (3798), small coaster is to be used |  A1.0, Familiarisation A1.1, vessel blackoutA1.2, loss of thruster A1.3, rudder failure | To be conducted during day 1.30 mins per simulationtotal= 2 hours |
| **Exercise 3**: Port arrival**Moderate weather:** 20kn’s South-westerly wind, 1.0m swell (15 second period) form the Southwest, clear visibility. **Difficult vessel:** Model Bulker (3041) is to be used. | A1.0, Familiarisation A1.1, vessel blackoutA1.2, loss of thruster A1.3, rudder failureConstant radius turn for all manoeuvres | To be conducted during day 2.30 mins per simulationtotal= 2 hours |
| **Exercise 4**: Port departure**Bad weather:** 28kn’s Wind, from the Southwest; 1.5m swell (15second period) from the Southwest. **Difficult vessel:** Model Bulker (3041) is to be used. | A1.0, Familiarisation A1.1, vessel blackoutA1.2, loss of thruster A1.3, rudder failure | To be conducted during day 2.30 mins per simulationtotal= 2 hours |
| **Exercise 5:** Port arrival**Bad weather:** 28kn’s Wind, from the Southwest; 1.5m swell (15second period) from the Southwest and 0.25 knot NE current. **Difficult vessel:** Model Bulker (3041) is to be used. | A1.0, Familiarisation A1.1, vessel blackoutA1.2, loss of thruster A1.3, rudder failureConstant radius turn for all manoeuvres | To be conducted during day 3.30 mins per simulationtotal= 2 hours |
| **Exercise 6**: Arrival channel **Bad weather:** 28kn’s Wind, from the Southwest; 1.5m swell (15second period) from the Southwest and 0.25 knot NE current. **Difficult vessel:** Model Bulker (3041) is to be used. | A1.0, Familiarisation A1.1, vessel blackoutA1.2, loss of thruster A1.3, rudder failureConstant radius turn for all manoeuvres | To be conducted during day 3.30 mins per simulationtotal= 2 hours |
| **Exercise 7**: Port arrival **Stormy weather:** 10kn’s South-westerly wind increasing to 35kn in squalls, 1.0 to 2.0m swell (15 second period) form the Southwest, current modelled upto 1.0 knot, overcast with squalls of rain**Difficult vessel:** Model Bulker (3041) is to be used. | A1.0, Familiarisation A1.1, vessel blackoutA1.2, loss of thruster A1.3, rudder failureConstant radius turn for all manoeuvres | Exercise C & DTo be conducted during day 4.1xhour per simulationtotal= 6 hours |
| **Exercise 8**: Arrival to anchorage Moderate **weather:** 20kn Southwest wind, 1.5m swell (15second period) from the Southwest. **Difficult vessel:** Model Bulker (3041) is to be used. | A1.0, Familiarisation A1.1, vessel blackoutA1.2, loss of thruster A1.3, rudder failure | To be conducted during day 4.30 mins per simulationtotal= 2 hours |