
	<p align="center"><i>HEALTH, SAFETY, ENVIRONMENT AND QUALITY MANAGEMENT SYSTEM</i></p> <p align="center"><b>19.0 SITUATIONAL AWARENESS</b></p> <p align="center"><i>ON THE JOB TRAINING</i></p>	OJT : 019 Page 1 of 2 Date : 07-Nov-25 Rev : 10.1 Appr : DPA
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VESSEL: \_\_\_\_\_

DATE: \_\_\_\_\_

### **Details of Training: Situational Awareness**

- Situational awareness is one of the most effective factor to avoid accidents/ incidents.
- Situational awareness means having a good perception of your surroundings at all times; comprehending what's happening around you; and predicting how this will affect your ship.
- Situational awareness is the ability to know where the ship is in relation to the fairway, land and dangers to navigation, and the proximity of other traffic. This awareness is most easily acquired by looking outside and comparing what is seen with the chart or the radar.
- Situational awareness, from which the progress of the vessel can be assessed, requires the monitoring activities:-
  - Examination of the chart;
  - Recognition of conspicuous lights or marks by looking out and conducting personal visual identification;
  - Verification of distances and collision risk by monitoring the radar.
- Situational awareness is a key part of the decision-making process. It is important that officers have a full idea about what is going on, to make the best decision possible each time.
- The following are to be known have good situational awareness:
  - Be aware of your environment – this includes other ships in the area; communications between VTS and other ships; weather; sea state; depth of water; tide and current.
  - Have mode awareness – know your ship's configuration, equipment and systems. These systems include auto pilot, radar, GPS, AIS, compass, propulsion and their engaged modes.
  - Be aware of the status of your ship's systems. Keep spatial orientation – know the geographical position of the ship within the operational location.
  - Keep a time horizon – manage time for things like fuel status and always allow time for unplanned events or emergencies.
- Put simply, situational awareness means having an accurate understanding of what is happening around you and what is likely to happen. You must:
  - Perceive what is happening - For example: gather passage plan data, including safe navigational tracks, available depths of water, weather, sea state, current and tides, fuel reserves, speed.
  - Understand what is happening - For example: understanding voyage plan data, including deviation from the plan, safety/legal requirements, ship capability and operational requirements, fuel reserves, course deviations and speed deviations.
  - Use this to think ahead - For example: projected voyage plan data including sailing time, estimated time of departure, deviation, fuel usage, refuelling stops, estimated time of arrival.

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- Maintenance of situational awareness occurs through effective communications and a combination of the following actions.
  - Recognize and make others aware when the team deviates from standard procedures.
  - Monitor the performance of other team members.
  - Provide information in advance.
  - Identify potential or existing problems (i.e. equipment-related or operational).
  - Demonstrate awareness of task performance.
  - Communicate a course of action to follow as needed.
  - Demonstrate ongoing awareness of mission status.
  - Continually assess and reassess the situation in relation to the mission goal(s).
  - Clarifying expectations of all team members eliminates doubt.

### **Recovering situational awareness**

- Seek the nearest stable, simple and safe method
- follow rules, procedures and standard operating procedure
- change from automations to manual
- buy time by slowing down and/or altering course
- Communicate – ask for help
- Recover the big picture
- go back to the last thing that you were sure of
- assess the situation from different perspective with different sources
- expand your focus to avoid fixation
- manage stress and distractions
- take time to think, use that time and be willing to be delayed
- follow rules, procedures and standard operating procedure

### **Above read and understood:**

Master \_\_\_\_\_

CO: \_\_\_\_\_

2O: \_\_\_\_\_

3O: \_\_\_\_\_