

**SKILLS FRAMEWORK FOR SEA TRANSPORT
TECHNICAL SKILLS AND COMPETENCIES (TSC) REFERENCE DOCUMENT**

TSC Category	Ship Navigation					
TSC	Navigation Watch					
TSC Description	Conduct navigational watches to ensure ships' safe passage					
TSC Proficiency Description	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6
			STP-SNG-3003-1.1	STP-SNG-4003-1.1		
			Maintain safe navigational watches	Direct safe navigation of ships		
Knowledge			<ul style="list-style-type: none"> International Regulations for Preventing Collisions at Sea, 1972 (as amended) Principles to be observed in keeping navigational watches General provisions on ships' routing General principles for ship reporting systems and Vessel Traffic Service (VTS) procedures Fundamentals of radar and Automatic Radar Plotting Aid (ARPA) Radar navigation Blind pilotage techniques Electronic Chart Display and Information System (ECDIS), capabilities and limitations 	<ul style="list-style-type: none"> International Regulations for Preventing Collisions at Sea, 1972 (as amended) Principles to be observed in keeping navigational watches Blind pilotage planning Radar and Automatic Radar Plotting Aid (ARPA) Interrelationship and optimum use of navigational data Electronic Chart Display and Information System (ECDIS) Management of operational procedures, system files and data Characteristics of various weather systems and ocean current systems Methods of manoeuvring and handling ships in all conditions 		
Abilities			<ul style="list-style-type: none"> Conduct the handover and relief of the navigational watch conforms with accepted 	<ul style="list-style-type: none"> Establish watch-keeping arrangements and procedures in compliance with 		

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			<p>principles and procedures</p> <ul style="list-style-type: none"> • Maintain a proper lookout at all times • Ensure lights, shapes and sound signals conform with International Regulations for Preventing Collisions at Sea, 1972 (as amended) • Use radar and ARPA to maintain navigation safety • Monitor information on ECDIS to ensure navigation safety • Take actions to avoid close encounters and collision with other ships • Adjust course and/or speed in accordance with accepted navigation procedures • Maintain records of movements and activities relating to ship navigation 	<p>international regulations and guidelines</p> <ul style="list-style-type: none"> • Analyse information from navigation equipment and systems • Implement command decisions for collision avoidance • Monitor operational procedures for using ECDIS • Use ECDIS and associated navigation systems to assist command decision-making • Interpret synoptic charts and forecast area weather • Maintain safety of navigation to minimise risks to safety of ships in all weather conditions 		
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