

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

TSC Category	Ship Navigation					
TSC	Navigation and Position Determination (Special Limit)					
TSC Description	Plan a voyage and perform navigation within the Special Limit					
TSC Proficiency Description	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6
		STP-SNG-2002-1.1	STP-SNG-3002-1.1			
		Plan and conduct coastal passages and determine positions for within Special Limit	Plan and conduct passages and determine positions within Special Limit			
Knowledge		<ul style="list-style-type: none"> • Methods to determine ships' position • Nautical charts and publications • General principles for ship reporting systems with Vessel Traffic Service (VTS) procedures • Voyage planning and navigation • Navigational aids and equipment • Compasses • Automatic Pilot • Meteorology • Characteristics of weather systems, reporting procedures and recording systems 	<ul style="list-style-type: none"> • Terrestrial and coastal navigation • Nautical charts and publications • Echo-sounders • Magnetic and gyro compasses • Steering control systems • Meteorology • Characteristics of weather systems, reporting procedures and recording systems 			
Abilities		<ul style="list-style-type: none"> • Fix ships' position using appropriate methods • Check ships' position at appropriate intervals • Operate safely and determine ships' position using navigational aids and equipment • Determine errors of compasses 	<ul style="list-style-type: none"> • Interpret and apply information from nautical charts and publications • Identify all potential navigational hazards • Determine ships' position within the limits of acceptable instrument or system errors 			

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

		<ul style="list-style-type: none"> • Select mode of steering taking into account prevailing weather, sea and traffic conditions and intended manoeuvres • Evaluate meteorological information to maintain the safe passage of ships 	<ul style="list-style-type: none"> • Carry out performance checks and tests to ensure navigation systems comply with manufacturer's recommendations 			
--	--	---	--	--	--	--