

**SKILLS FRAMEWORK FOR MARINE AND OFFSHORE
TECHNICAL SKILLS & COMPETENCIES (TSC) REFERENCE DOCUMENT**

TSC Category	Quality Management					
TSC	Technical Inspection					
TSC Description	Execute formal inspection exercises to ensure quality, safety, and reliability, adhering with technical specifications and compliance requirements					
TSC Proficiency Description	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6
		MAR-QUA-2007-1.1	MAR-QUA-3007-1.1	MAR-QUA-4007-1.1		
		Conduct inspections and tests according to work plans	Execute technical inspections of systems, marine equipment and special category components	Develop technical inspections and procedures and review effectiveness		
Knowledge		<ul style="list-style-type: none"> • Methods of conducting basic technical inspections • Types of tools and equipment required for inspection work • Standard functional operation of components and systems • Inspection plans 	<ul style="list-style-type: none"> • Methods of conducting complex technical inspections • Types of component and system faults • Implications of technical faults • Methods of mitigating technical faults • Documentation and escalation procedures for technical inspections 	<ul style="list-style-type: none"> • Methods of developing technical inspection procedures • Methods of evaluating technical inspection procedures • Methods of interpreting work orders • International safety codes and quality standards for marine equipment 		
Abilities		<ul style="list-style-type: none"> • Check inspection and test tools and equipment • Test functional operation of components and systems to ensure product meets quality and safety standards • Inspect equipment for damages against quality and safety standards • Verify inspections are completed according to inspection plans 	<ul style="list-style-type: none"> • Determine inspection and test tools and equipment to be used • Examine complex marine equipment to identify faults • Identify components and systems that do not meet quality and safety standards • Classify faults according to criticality and organise corrective measures • Record faults using appropriate forms and documentation procedures • Ensure work orders are completed effectively 	<ul style="list-style-type: none"> • Review work orders and specifications to determine inspection and test requirements • Confirm inspection and test procedures to be applied • Review technical inspection procedures to ensure effectiveness 		

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			<ul style="list-style-type: none">• Report inspection results and necessary follow-up to appropriate personnel			
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