

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

TSC Category	Marine Engineering					
TSC	Environmental Management System Framework Development and Implementation					
TSC Description	Develop, maintain and implement the Environmental Management system framework in accordance with legislative and company requirements through a systematic approach					
TSC Proficiency Description	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6
			STP-WSH-3017-1.1-1	STP-WSH-4017-1.1-1	STP-WSH-5017-1.1-1	
			Maintain the environmental management system (EMS) framework on environmental impact and control and implement corrective actions to ensure a safe and reliable workplace environment	Develop environmental management system (EMS) framework on environmental impact and control and corrective actions to ensure a safe and reliable workplace environment	Evaluate and formulate environmental management system (EMS) framework on environmental impact and control and corrective actions to ensure a safe and reliable workplace environment	
Knowledge			<ul style="list-style-type: none"> Organisational policies and procedures relating to workplace EMS Personal Protective Equipment Safety signs and symbols Industry codes of practice and standards Rules and regulations Environmental safety regulations Best practices in environment management 	<ul style="list-style-type: none"> Workplace procedures for reporting EMS issues Requirements and tools available to monitor the workplace environment Industry codes of practice and Standards Safety signs and symbols EMS regulations List of high-risk environmental activities requiring permit-to-work Best practices in environment management 	<ul style="list-style-type: none"> Elements of the EMS Management System Essential EMS legislations and other requirements Code of practice on EMS risk management Mandatory incident reporting requirements List of high-risk environmental activities requiring permit-to-work Best practices in environment management 	
Abilities			<ul style="list-style-type: none"> Identify and manage workplace environmental hazards Ensure compliance to workplace procedures for risk control measures Oversee environmental incident reporting in accordance with organisational 	<ul style="list-style-type: none"> Develop EMS framework Design and lead EMS environmental practices Design and lead identification of hazards and assessment of environmental risks Design control measures Communicate to the relevant teams on the 	<ul style="list-style-type: none"> Establish guidelines and processes on the development of EMS framework Establish a Workplace EMS according to EMS legal requirements and best practices Design the components of an EMS framework 	

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			<p>procedures and legislative requirements</p> <ul style="list-style-type: none"> Propose improvements to organisational EMS procedures to enhance the organisation's ability to comply with regulatory requirements Communicate workplace EMS procedures and risk control measures to the-relevant teams 	<p>developed procedures in accordance with organisational and regulatory requirements</p>	<p>according to organisational and EMS legal requirements</p> <ul style="list-style-type: none"> Manage and review environmental risk control measures according to organisational and EMS legal requirements Integrate the elements of the EMS into organisation procedures 	
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