



# Subsea Engineering Competency Profile

<b>PROJECT MANAGEMENT FUNDAMENTALS</b>	<b>DE-007</b>
<p>This competency demonstrates a Subsea Engineer has an understanding of the key project management principles that support successful delivery of subsea engineering projects.</p> <p>This competency enables a Subsea Engineer to proactively manage the delivery of a specific element of a subsea project during any phase in the project life cycle.</p>	

<b>ELEMENT OF COMPETENCE</b>	<b>WHAT THIS COMPETENCE MEANS IN PRACTICE</b>	<b>INDICATORS OF ATTAINMENT</b>
<p>Working knowledge of the following project management topics:</p> <ul style="list-style-type: none"> <li>● Project life-cycle</li> <li>● Project scope definition</li> <li>● Project Execution Plan</li> <li>● Basis of Design</li> <li>● How HSE requirements are implemented across the project life cycle.</li> <li>● How HSE factors can impact work plans, schedule and budget</li> <li>● How quality requirements are implemented across the project life cycle.</li> <li>● Estimating and budget control.</li> <li>● Planning and schedule management.</li> <li>● Contingency plans and procedures</li> <li>● Supply chain management.</li> <li>● Interface management.</li> <li>● Risk management.</li> <li>● Organisational requirements.</li> </ul>	<p>Understands the importance, the required outcomes and the relationship between the key phases involved in delivering a subsea project:</p> <ul style="list-style-type: none"> <li>● Concept</li> <li>● Select</li> <li>● Define</li> <li>● Execute</li> </ul> <p>The ability to interpret the requirements presented in a scope of work and to extract the key data required to prepare the following project management deliverables:</p> <ul style="list-style-type: none"> <li>● Project Execution Plan</li> <li>● Basis of Design</li> <li>● Project Schedule</li> <li>● Project Budget.</li> </ul> <p>Understands the importance of an effective Project Execution Plan as a tool to inform all stakeholders about what is being delivered and how it will be delivered, across all phases in the project life cycle.</p>	<p>Refer to only as many Indicators of Attainment as you need to demonstrate the Element of Competence</p> <ul style="list-style-type: none"> <li>● This competency shall be demonstrated by the engineer being able to discuss the importance of each of the listed elements when delivering a subsea project.</li> <li>● The engineer will have experience in two or more of the project phases as a project manager</li> <li>● The engineer will also be able to cite project roles where at least half of the listed competency elements have been successfully applied to delivery of a project.</li> </ul>



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<b>ELEMENT OF COMPETENCE</b>	<b>WHAT THIS COMPETENCE MEANS IN PRACTICE</b>	<b>INDICATORS OF ATTAINMENT</b>
<ul style="list-style-type: none"> <li>● Internal and external communication.</li> <li>● Meeting protocols.</li> <li>● Action tracking.</li> <li>● Reporting protocols.</li> <li>● Lessons learnt</li> </ul>	<p>Understands the importance of:</p> <ul style="list-style-type: none"> <li>● Project HSE Plan</li> <li>● Project Quality Plan</li> <li>● Contingency planning across each project phase</li> </ul> <p>Understands the supply chain process including;</p> <ul style="list-style-type: none"> <li>● contracting strategy options</li> <li>● tender preparation and evaluation</li> <li>● commercial and contractual aspects of the tender and awarded contracts</li> </ul> <p>Can identify the interfaces that are important to the successful delivery of the project.</p> <p>Can apply the principles of risk management to a project to ensure that all identifiable risks with an unacceptable consequence are eliminated, prevented or reduced to ALARP.</p> <p>Can develop a resource plan based on the requirements of the scope of work.</p> <p>Understands internal and external reporting requirements and the importance of action tracking,</p> <p>Can coordinate and run effective meetings.</p> <p>Can prepare clear and concise reports.</p> <p>Understands the lessons learnt process, the benefits of reviewing history and recording current events.</p>	<p>Refer to only as many Indicators of Attainment as you need to demonstrate the Element of Competence</p>