



Subsea Engineering Competency Profile

INDUSTRY BACKGROUND AND KNOWLEDGE

GSE-002

This competency demonstrates a subsea engineer has knowledge of industry, applicable legislation, regulations and design codes in order to execute a range of tasks using established engineering practice.

ELEMENT OF COMPETENCE	WHAT THIS COMPETENCE MEANS IN PRACTICE	INDICATORS OF ATTAINMENT
<p>Knowledge of key industry participants and industry structure, including classes of participants such as government, commonwealth and state regulators, operators, owners, consultants, contractors, professional services providers, industry bodies and suppliers.</p>	<p>The engineer is capable of incorporating legal and regulatory frameworks into subsea engineering.</p> <p>Understands the roles of each participant and how they interact at an industry level.</p>	<p>Refer to only as many Indicators of Attainment as you need to demonstrate the Element of Competence</p> <p>Has gained an understanding of the main legislative and regulatory instruments that affect the subsea developments or facilities.</p> <p>Can describe at least one historical industry event, lessons learnt and regulatory changes arising from this event.</p>
<p>Knowledge of legal and regulatory frameworks applicable in the jurisdiction in which the engineer is working.</p>	<p>Can describe the applicable:</p> <ul style="list-style-type: none"> • Legislation and hierarchy of legislation • Safety and environment legislation and organisations, including safety case regimes 	<p>Performs engineering in accordance with a safety case (or equivalent regime).</p> <p>Applies knowledge of legal and regulatory frameworks in their work.</p>
<p>Knowledge of subsea engineering standards including ISO, API, DNVGL and ASME.</p>	<p>Understands how subsea engineering standards are applied to design, fabricate, install, commission, operate, maintain or abandon equipment.</p>	<p>Has applied design codes to subsea engineering performed at any stage of the project lifecycle.</p>