

**SKILLS FRAMEWORK FOR PRECISION ENGINEERING  
TECHNICAL SKILLS AND COMPETENCIES (TSC) REFERENCE DOCUMENT**

<b>TSC Category</b>	Quality Management					
<b>TSC</b>	Quality Process Control					
<b>TSC Description</b>	Implement quality process controls to improve and stabilise production in order to avoid or minimise issues leading to defects					
<b>TSC Proficiency Description</b>	<b>Level 1</b>	<b>Level 2</b>	<b>Level 3</b>	<b>Level 4</b>	<b>Level 5</b>	<b>Level 6</b>
			<b>PRE-QUA-3006-1.1</b>	<b>PRE-QUA-4006-1.1</b>	<b>PRE-QUA-5006-1.1</b>	
			Implement process controls to monitor quality control systems and verifying the performance	Set up process control systems, which include verifying process control performance	Formulate strategies for quality process performance improvement and recommend follow-up actions	
<b>Knowledge</b>			<ul style="list-style-type: none"> <li>Types of process control systems</li> <li>Process control concepts</li> <li>Control charts</li> <li>Process control performance metrics</li> <li>Process capability indices</li> </ul>	<ul style="list-style-type: none"> <li>Process control set-up procedures</li> <li>Process control performance metrics</li> </ul>	<ul style="list-style-type: none"> <li>Process control performance metrics</li> <li>Problem solving techniques</li> </ul>	
<b>Abilities</b>			<ul style="list-style-type: none"> <li>Determine types of quality process control functions</li> <li>Identify appropriate quality process control systems</li> <li>Monitor quality process control systems</li> <li>Verify quality process control performance</li> <li>Determine follow-up actions required</li> </ul>	<ul style="list-style-type: none"> <li>Determine process control functions</li> <li>Identify appropriate process control systems</li> <li>Set up process control systems</li> <li>Verify process control performance</li> <li>Determine follow-up action required</li> </ul>	<ul style="list-style-type: none"> <li>Define projects to meet process performance needs</li> <li>Establish project scopes of work, and the number of hours, based on organisational requirements</li> <li>Execute projects, in accordance with project plans</li> <li>Evaluate project effectiveness, in accordance with project objectives</li> <li>Recommend follow-up actions</li> </ul>	