

1. Title	Inspect steel scaffolding
2. Code	EMPEIT306A
3. Range	Inspect steel scaffolding in general industrial plants, power plants or other places.
4. Level	3
5. Credits	4
6. Competency	<p style="text-align: center;"><u>Performance Requirements</u></p> <p>6.1 Types and erecting methods of general steel scaffolding</p> <ul style="list-style-type: none"> <li>◆ Know about the types ( single/double row) and applications of general steel scaffolding, including: <ul style="list-style-type: none"> <li>• Loading capacity</li> <li>• Height of scaffolding</li> <li>• Dimensions of steel scaffolds</li> <li>• Uses of fittings such as standard, ledger, inclined brace , wall tie, right angle/rotary coupler, scaffolding plate, toe board, passage, staircase and safety net</li> </ul> </li> <li>◆ Know about construction of various types of scaffolding and relevant requirements</li> </ul> <p>6.2 Methods of inspecting steel scaffolding</p> <ul style="list-style-type: none"> <li>◆ Know about engineering mechanics of scaffolding, including the safety concerns, erection steps and use of tools</li> <li>◆ Know about different types of load <ul style="list-style-type: none"> <li>• Vertical load</li> <li>• Lateral force</li> <li>• Wind-induced load</li> </ul> </li> <li>◆ Know about the strength and stability of scaffolding</li> <li>◆ Inspect steel scaffolding according to engineering drawings</li> <li>◆ Understand the consequences caused different types of scaffolding defects</li> </ul> <p>6.3 Professionalism in inspecting steel scaffolding</p> <ul style="list-style-type: none"> <li>◆ Inspect scaffolding according to legal requirements and manufacturer’s inspection guidelines</li> <li>◆ Assist competent persons in the examination and approval of scaffolding</li> </ul>
7. Assessment Criteria	<p>The integrated outcome requirements of this unit of competency are:</p> <p>(i) Capable to inspect steel scaffolding according to engineering drawings;</p> <p>(ii) Capable to report the using condition of steel scaffolding;</p> <p>(ii) Capable to complete simple reports on scaffolding inspection;</p> <p>(iii) Capable to explain the consequences that may be caused different types of scaffolding defects.</p>
8. Remarks	The credit value of this unit of competency is set on the presumption that the person already possesses the competency of EMPEIN313A “Erect and dismantle steel scaffolding”.