

Specification of Competency Standards of the Watch & Clock Industry

**Unit of Competency**

**Functional Area: Manufacturing**

Title	Master CNC Machining Technology to Manufacture Timepiece Components
Code	104826L4
Range	This unit of competency (UoC) is applicable in the production department of timepiece manufacturing companies. It covers the abilities to use CNC machining technology to manufacture different timepiece components except movements.
Level	4
Credit	9 (for reference only)
Competency	<p>Performance Requirements</p> <ol style="list-style-type: none"> <li>1. Understand CNC machining system <ul style="list-style-type: none"> <li>• Understand the operation and functions of CNC machining system</li> <li>• Understand CNC programme writing and editing</li> <li>• Understand the uses of different programme codes</li> <li>• Understand general machining arrangements for work pieces</li> <li>• Understand data transmission and storage</li> <li>• Understand the operation of connecting computer-aided software to numerical control machining</li> <li>• Understand the features of numerical control machining</li> <li>• Understand the importance of the maintenance for machining centre</li> </ul> </li> <li>2. Apply CNC machining system technology <ul style="list-style-type: none"> <li>• Master the operation and functions of CNC machining system</li> <li>• Write and edit simple CNC programmes</li> <li>• Handle general CNC machining procedures for manufacturing work pieces</li> <li>• Handle data transmission and storage for direct numerical control machining</li> <li>• Handle general maintenance routine for machining centres</li> </ul> </li> <li>3. Exhibit professionalism <ul style="list-style-type: none"> <li>• Use CNC machining technology to manufacture timepiece components according to the safety guidelines and code of practice of the Occupational Safety and Health Ordinance</li> </ul> </li> </ol>
Assessment Criteria	<p>The integrated outcome requirements of this UoC are the abilities to:</p> <ul style="list-style-type: none"> <li>• Use CNC machining technology to manufacture timepiece components; and</li> <li>• Handle general CNC machining procedures for manufacturing work pieces.</li> </ul>
Remark	