

Specification of Competency Standards of the Watch & Clock Industry

**Unit of Competency**

**Functional Area: Design**

Title	Master the Basic Techniques for Making Prototypes of Timepiece Products
Code	104837L2
Range	This unit of competency (UoC) is applicable in the design department of timepiece companies. It covers the abilities to master basic tools and basic techniques for wax prototype carving to make prototypes under supervision in production workshops.
Level	2
Credit	6 (for reference only)
Competency	<p>Performance Requirements</p> <ol style="list-style-type: none"> <li>1. Know about carving tools and materials <ul style="list-style-type: none"> <li>• Know about the use of carving tools, including carving knife, wax knife, wax file, wax needle file, wax grinding stone, wax mould axis, small crayon and wax welding machine</li> <li>• Know about carving materials, including moulding wax and carving wax</li> </ul> </li> <li>2. Master basic techniques for carving wax prototype to assist in making prototypes <ul style="list-style-type: none"> <li>• Master carving techniques</li> <li>• Master filing techniques</li> <li>• Master piercing techniques</li> <li>• Master polishing techniques</li> <li>• Master hollow chiseling techniques</li> <li>• Master pellet shaping techniques</li> <li>• Master bending techniques</li> <li>• Master welding techniques</li> <li>• Master wax dropping techniques</li> </ul> </li> <li>3. Exhibit professionalism <ul style="list-style-type: none"> <li>• Carry out duties related to wax prototype carving according to the safety guidelines of the Occupational Safety and Health Ordinance</li> </ul> </li> </ol>
Assessment Criteria	<p>The integrated outcome requirement of this UoC is the ability to:</p> <ul style="list-style-type: none"> <li>• Apply basic techniques for wax prototype carving to assist in making prototypes under supervision.</li> </ul>
Remark	