

Specification of Competency Standards of the Watch & Clock Industry

**Unit of Competency**

**Functional Area: Aftersales Repair**

Title	Master the Repair Techniques for Day Date Automatic Mechanical Movement and Mechanical Watches
Code	104937L4
Range	This unit of competency (UoC) is applicable in general repair shops and aftersales repair stations for timepieces. It covers the abilities to independently master the repair techniques for day date automatic mechanical movement and mechanical watches, supervise subordinates on aftersales service and repair techniques, and coordinate the repair and sales departments on repair service.
Level	4
Credit	9 (for reference only)
Competency	<p>Performance Requirements</p> <ol style="list-style-type: none"> <li>1. Understand the structure and functions of day date automatic mechanical movement <ul style="list-style-type: none"> <li>• Know about the mechanisms in a day date automatic mechanical movement and the name of each basic part: <ul style="list-style-type: none"> <li>• Self-winding mechanism</li> <li>• Calendar display mechanism and quick setting system</li> <li>• Calendar and day double display mechanism and quick setting system</li> <li>• Time alarm device and alarm mechanism</li> <li>• International time display device</li> </ul> </li> <li>• Understand the quality features and key points of complicated mechanical movements of different origins: <ul style="list-style-type: none"> <li>• Swiss Made</li> <li>• Germany Made</li> <li>• Japan Made</li> <li>• China Made</li> </ul> </li> </ul> </li> <li>2. Carry out day date automatic mechanical movement repair <ul style="list-style-type: none"> <li>• Analyze and shoot troubles <ul style="list-style-type: none"> <li>• Master in-depth trouble shooting with advanced mechanical movement testing instruments, Micrometre Professional and Chronoscope MI</li> <li>• Analyze troubles with professional knowledge of the structure and functions of mechanical movements</li> <li>• Analyze and understand the advantages and disadvantages in design or quality of mechanical movements of different origins through information media</li> </ul> </li> <li>• Repair complicated mechanical movements with testing instruments <ul style="list-style-type: none"> <li>• Master the correct steps and skills of assembling and disassembling basic hand-wound mechanical movements (without any additional functions)</li> <li>• Master the notes and key points in assembling and disassembling basic and day date automatic mechanical movements</li> </ul> </li> <li>• Coordinate the operation between the repair and sales departments, and strengthen the coordination between the repair department and other departments through regular working meetings with other departments</li> <li>• Know how to formulate detailed repair regulations to avoid any unnecessary complaints</li> <li>• Master training skills to supervise subordinates on the provision of quality aftersales service and repair techniques</li> </ul> </li> <li>3. Exhibit professionalism <ul style="list-style-type: none"> <li>• Deliver aftersales service for timepieces according to the Occupational Safety and Health Ordinance and the code of practice for safety at work</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>• Employ testing instruments for mechanical movement to repair day date automatic mechanical movement and mechanical watches; and</li> <li>• Supervise subordinates on the provision of quality aftersales service and repair techniques.</li> </ul>
Remark	