

Unit of Competency

Functional Area: Quality Management

Title	Apply Testing Instruments for Movement/Components of Complete Watch
Code	104859L2
Range	This unit of competency (UoC) is applicable in factories/companies of timepiece products. It covers the abilities to apply testing instruments for movement/components of complete watch to perform quality check under instruction and by following the code of practice.
Level	2
Credit	6 (for reference only)
Competency	<p>Performance Requirements</p> <ol style="list-style-type: none"> 1. Understand the quality check procedures for movements <ul style="list-style-type: none"> • Understand the quality check procedures for mechanical movements <ul style="list-style-type: none"> • Know how to first check the accuracy (rate) and beat • Check the amplitude as displayed on the amplimeter • examine the following check points in the given order with eye-loupe in large magnification <ul style="list-style-type: none"> • Cleanliness of the exterior appearance • Oiling condition • Flatness and centering of balance spring • Check the winding and running conditions of movement • Measure the locking torque of screws with special torque meter • Check the land-setting condition and pay attention to the tightness of cannon pinion • Check the tightness of the calendar disc and day disc • Check the quick jumping of the calendar disc and day disc • Check the hand-fitting height of the movement • Know about the quality check procedures and items for quartz digital watch <ul style="list-style-type: none"> • Understand the design of the circuit board and base on the quality check procedures provided by the organization • Know about the quality check procedures and items for quartz analog movement, e.g.: <ul style="list-style-type: none"> • Accuracy test • Fitting torque with hand weight • Power consumption test 2. Apply testing instruments to check the quality of movement/components of a complete watch <ul style="list-style-type: none"> • Apply testing instruments for movement/components of complete watch to perform quality check under instruction and by following the code of practice • Master the correct use and maintenance of testing equipment and tools for mechanical movement • Master the correct use and maintenance of testing equipment and tools for quartz digital and analog movements 3. Exhibit professionalism <ul style="list-style-type: none"> • Ensure that the products meet customer requirements and international standards
Assessment Criteria	<p>The integrated outcome requirement of this UoC is the ability to:</p> <ul style="list-style-type: none"> • Use testing instruments and tools for the movement/components of a complete watch and follow the code of practice to perform quality check for timepiece products under instruction.
Remark	