Unit of Competency

Functional Area: Design

Title	Master the Mechanism and Functions of a Mechanical Multi-function Movement
Code	104850L4
Range	This unit of competency (UoC) is applicable in the design department of timepiece companies. It covers the abilities to understand the system and functions of a mechanical multi-function movement, and supervise subordinates to carry out timepiece design duties.
Level	4
Credit	6 (for reference only)
Competency	Performance Requirements 1. Know about the operating principles, system structure and functions of a mechanical multifunction movement • Know about the definitions of "multi-function", "additional function" and "complicated timepiece" from a technical point of view • Know about the functions and operation principles of mechanical movements that possess additional functions apart from hour, minute and second display • With self-winding function • Principle of winding motion driven by oscillating rotor and self-winding mechanism • With calendar (date) display function • Principle of calendar mechanism driven by motion work mechanism • Principle of calendar mechanism adjusted directly by winding and setting mechanism • With calendar and day display function • Principle of calendar and day mechanism driven by motion work mechanism • Principle of calendar and day mechanism adjusted directly by winding and setting mechanism • With time alarm function • Principle of alarm device driven by motion work mechanism • Principle of alarm device adjusted directly by winding and setting mechanism and the power source (winding) of the alarm device • With international time/GMT display function • Principle of international time display mechanism driven by gear train transmission • Basic principle of complicated mechanical movement with chronograph • Operation principle of start/stop push buttons • Operation principle of reset push butto • Moon phase function • Plyback display • Understand the quality features and key points of mechanical multi-function movements of different origins • Swiss Made • Germany Made • Japan Made • China Made 2. Carry out timepiece design • Master the structure and functions of a mechanical multi-function movement to carry out timepiece product design duties • Supervise subordinates to carry out duties related to timepiece design 3. Exhibit professionalism • Respect intellectual property to prevent plagiarization, so as to avoid individual person and the organization to f
Assessment Criteria	 The integrated outcome requirements of this UoC are the abilities to: Understand the structure and functions of a mechanical multi-function movement system and apply them to timepiece design; and Supervise subordinates to carry out duties related to timepiece design.
Remark	