

Specification of Competency Standards for the Watch & Clock Industry

Unit of Competency

1. Title	Know about the Movement and the Surface Treatment of the components of a Complete Watch
2. Code	WCZZHM202A
3. Level	2
4. Credit	14
5. Competency	<p align="center"><u>Performance Requirements</u></p> <p>5.1 Understand the procedure and effect of metal surface treatment</p> <ul style="list-style-type: none"> ◆ Know about the surface treatment procedure for the metal case of a Complete Watch, including: <ul style="list-style-type: none"> • Buffering(Polishing) • Brushing • Sand-blasting • Paint-spraying • Electroplating ◆ Know about the effects and the method and standards of comparison of their differences <p>5.2 Master the application of transparent lacquer and the control of its effect</p> <ul style="list-style-type: none"> ◆ Know about the characteristics of transparent lacquer, including: <ul style="list-style-type: none"> • Density • Colour ◆ Understand the correct means in effect control, including: <ul style="list-style-type: none"> • The importance of surface treatment for the components of a Complete Watch • Comparison of effects and standards ◆ Master the application of transparent lacquer

	<p>5.3 Master the application of colour paint and the control of its effect</p> <ul style="list-style-type: none"> ◆ Know about the characteristics of coloured paint, including: <ul style="list-style-type: none"> • Types of coloured paints • Principle of coloured paints and its proper application • Anticipated effect • Standardization of colours • Colour reflection • Density ◆ Understand the correct method of effect control, including: <ul style="list-style-type: none"> • Method of testing on the colour effect made to the metal surface of the watch components • Control of colour sample standards • Control of colour brightness standards ◆ Know about the stability and chemical reaction made by coloured paint on a metal watch component <p>5.4 Surface treatment of the components of a Complete Watch</p> <ul style="list-style-type: none"> ◆ Capable of providing surface treatment of the components of a Complete Watch according to the requirements of production/quality check
6. Range	In the quality check department and the after-sales service department of Timepiece manufacturing companies, capable of providing surface treatment of the movement and other components of a Complete Watch.
7. Assessment Criteria	The integrated outcome requirements of this unit of competency are: (i) capable of providing surface treatment of the movement and components of a Complete Watch according to the requirements of production/quality check.
8. Remarks	