Specification of Competency Standards for the Watch & Clock Industry

Unit of Competency

1. Title	Master the Application of Computer-Aided Design/ Manufacturing/ Engineering in the Production of Timepiece Components	
2. Code	WCZZHM303A	
3. Level	3	
4. Credit	9	
5. Competency		Performance Requirements
	5.1 Know computer-aided software	♦ Capable of using computer-aided software system to design and manufacture ♦ Master the construction of models and define the tool path in 3 different axes ♦ Master the comprehensive operation of CAD/CAM system in the use of numerical control ♦ Master the production and operation of a complicated model ♦ Master the editing and analyzing techniques for solid planes and modelling ♦ Master the setting up of sectional models and the analysis of upper and lower moulds ♦ Master the manufacturing for parts with curve-surfaces ♦ Master the manufacturing for three-axis or multi-axis machining
	5.2 Apply computer-aided software	♦ Capable of making use of computer-aided software to design complicated Timepiece components

6. Range	At Timepiece factories, capable of employing computer-aided design in designing Timepiece components, such as dial, case and band, except watch movement.
7. Assessment Criteria	The integrated outcome requirements of this unit of competency are: (i) capable of employing computer-aided design to design more complicated Timepiece components
8. Remarks	The credit value of this unit of competency is set on the presumption that the learners already have basic knowledge about computer-aided design of Timepiece components.