

Specification of Competency Standards
for the Manufacturing Technology Industry
Unit of Competency

Functional Area - Process Design and Development

Title	Installation and application of jigs and fixtures
Code	106396L3
Range	This unit of competency is applicable to corporations of Manufacturing Technology Industry. Practitioners should be capable to install and apply suitable fixtures in accordance with the corporate production line.
Level	3
Credit	3 (For Reference Only)
Competency	<p>Performance Requirements</p> <ol style="list-style-type: none"> 1. Understand relevant knowledge of installation and application of fixtures <ul style="list-style-type: none"> • Understand types and applications of jig and fixture, such as manual fixture, pneumatic fixture, hydraulic fixture, electronic fixture and magnetic fixture. • Understand the methods and skills of fixtures maintenance and verify its effectiveness. • Understand installation methods, installation positions and positioning standard of fixtures. • Understand design and manufacturing methods of fixtures. 2. Installation and application of fixtures <ul style="list-style-type: none"> • According to the design/ working drawing, select suitable fixtures and carry out installation, adjustment and testing. • According to preventive maintenance plan, carry out all kinds of preventive maintenance for the fixtures in the corporation • Confirm if the fixture precision is normal • According to production requirements of the corporation, carry out simple improvement for existing fixtures 3. Professional handling of installation and application of fixtures <ul style="list-style-type: none"> • Ensure fixture precision matches the production requirements • Follow safety guidelines and relevant regulations, install and apply all kinds of fixtures
Assessment Criteria	<p>The integrated outcome requirements of this unit of competency are:</p> <ul style="list-style-type: none"> • Capable to carry out installation, adjustment and testing of fixtures in accordance with the design/ working drawing. • Capable to carry out all kinds of preventive maintenance for the fixtures in the corporation • Capable to ensure fixture precision matches the production requirements.
Remark	