Employees in the trade of Aircraft Maintenance Engineering (Mechanical) maintain, inspect and undertake fault diagnosis of aircraft engine systems and airframe components on fixed and rotary wing aircraft. They:

- remove and install engine systems and airframe components on aircraft;
- inspect engine systems and airframe components on aircraft;
- test and diagnose problems with engine systems and airframe components on aircraft.

Aircraft engine systems and airframe components include landing gear, wheels and brakes, aircraft pressurisation systems, aircraft pneumatic and hydraulic systems, aircraft flight control systems, aircraft environmental control systems, aircraft fire detection and preventions systems, aircraft ice and rain protection systems and their components.

Aircraft Maintenance Engineering (Mechanical) tradespersons are employed in the following industry sectors:

- Civil aviation maintenance organisations operating under relevant civil aviation safety authority airworthiness regulatory systems, including major airlines, regional airlines, general aviation, third party aircraft maintenance organisations and component maintenance organisations; and
- Defence force aviation maintenance organisations operating within the relevant airworthiness regulatory systems, including Defence Force organisations and civilian contractors maintaining defence force aircraft and aircraft components.

If you are seeking recognition in the Aircraft Maintenance Engineering (Mechanical) trade, you must provide evidence demonstrating the nature and duration of your employment in either the Civil/Defence sector of the aviation industry, such as:

- licences or authorisations from recognised civil/defence aviation authorities
- log books or job cards illustrating the nature of trade work you have performed
- work-related references from employers and qualified technical supervisors outlining the duration of employment and detailing the nature of work you have performed, procedures applied and tools and equipment used, consistent with the Aircraft Maintenance Engineering (Mechanical) trade. References must be signed, dated and on your employer's letterhead.
- formal training records, evidence of relevant training completed to date
- any other evidence that you are competent or adequately trained to maintain, inspect and undertake fault diagnosis and repair a range of aircraft engine systems and airframe components on fixed or rotary wing aircraft.

Current at 19/01/2012