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

- remove and install avionics systems/components on aircraft;
- inspect avionics systems/components on aircraft;
- test and diagnose problems with avionics systems and components on aircraft.

Avionic systems include generator and power-distribution systems, protection systems, autopilot and integrated light systems, environmental control systems, radar/pulse systems, communication systems, navigation systems and instrumentation.

Aircraft Maintenance Engineering (Avionics) 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 that are 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 (Avionics) 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:

- licenses 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 (Avionics) 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 avionic systems on fixed or rotary wing aircraft.

Current at 19/01/2012