

<b>RTO</b>	Aviation Australia Pty Ltd		<b>RTO Number</b>	30770
<b>Course Details</b>	<b>Code</b>	MEA40618		
	<b>Title</b>	Certificate IV in Aeroskills (Avionics) – Skills Recognition		
	<b>Length</b>	Duration will vary depending on the gap training required		
<b>Cost</b>	<p>\$1,500 enrolment/assessment report/Journal of Experience/certification fee.</p> <p><b>The remaining costs for training material and CASR Part 66 examinations will be determined by the requirements detailed in your assessment report and are therefore in addition to the above fee.</b></p>			
<b>Purpose</b>	<p>To become an aircraft maintenance engineer performing aircraft maintenance on flight lines/ramps and in hangars or avionic component repair and overhaul in workshops.</p> <p>This qualification can provide credit towards MEA50118 Diploma of Aeroskills (Avionics).</p>			
<b>Qualification Requirements</b>	Your RPL assessor will compile and confirm your requirements based on the packaging rules for MEA40618 Certificate IV in Aeroskills (Avionics).			
<b>Study Modes</b>	<p>Theory requirements are assessed in line with the CASR Part 66 basic knowledge syllabus using multiple-choice question examinations as summative assessments.</p> <p>Practical requirements are completed in your workplace and recorded in the Journal of Experience (supplied by your RPL Assessor upon request).</p> <p>For units of competency that do not align with Part 66 modules, candidates are assessed through online training courses with work-based assignments or candidates can provide evidence of competence through the RPL process.</p>			
<b>Course Outcomes</b>	<p>AQF MEA40618 Certificate IV in Aeroskills (Avionics) qualification.</p> <p>AQF Statement of Attainment for units of competency achieved.</p> <p>CASR Part 147 Certificate of Recognition for CASR Part 66 basic knowledge examinations passed at over 75%.</p>			
<b>Recognition of Prior Learning</b>	Candidates undertaking RPL are assessed based on the evidence supplied in their RPL application. Any training gaps identified can be completed through a variety of methods, which may include on-the-job training (recorded via a Journal of Experience), instructor-led classes and online self-paced learning.			

Code	Title	Core / Elective
<b>Units of Competency (Aircraft Maintenance Stream)</b>		
MEA107	Interpret and use aviation maintenance industry manuals and specifications	Core
MEA118	Conduct self in the aviation maintenance environment	Core
MEA148	Apply mathematics and physics in aviation maintenance	Core
MEA154	Apply work health and safety practices in aviation maintenance	Core
MEA155	Plan and organise aviation maintenance work activities	Core
MEA156	Apply quality standards applicable to aviation maintenance processes	Core
MEA157	Complete aviation maintenance industry documentation	Core
MEA158	Perform basic hand skills, standard trade practices and fundamentals in aviation maintenance	Core
MEA201	Remove and install miscellaneous aircraft electrical hardware/components	Core
MEA246	Fabricate and/or repair aircraft electrical hardware or parts	Core
MEA296	Use electrical test equipment in aviation maintenance activities	Core
MSMENV272	Participate in environmentally sustainable work practices	Core
AVIF3016	Marshal aircraft	Elective
MEA202	Remove and install basic aircraft electrical system components	Elective
MEA203	Remove and install advanced aircraft electrical system components	Elective
MEA204	Remove and install basic aircraft instrument system components	Elective
MEA206	Remove and install aircraft basic radio communication and navigation system components	Elective
MEA208	Remove and install aircraft pressurisation control system components	Elective
MEA209	Remove and install aircraft oxygen system components	Elective
MEA210	Inspect, test and troubleshoot basic aircraft electrical systems and components	Elective
MEA212	Inspect, test and troubleshoot basic aircraft instrument systems and components	Elective
MEA213	Inspect, test and troubleshoot advanced aircraft instrument systems and components	Elective
MEA214	Inspect, test and troubleshoot aircraft basic communication and radio navigation systems and components	Elective
MEA215	Inspect, test and troubleshoot advanced aircraft communications systems and components	Elective
MEA216	Inspect, test and troubleshoot instrument landing systems and components	Elective

Code	Title	Core / Elective
MEA217	Inspect, test and troubleshoot fixed wing autopilot systems and components	Elective
MEA218	Inspect, test and troubleshoot rotary wing autopilot systems and components	Elective
MEA219	Inspect, test and troubleshoot aircraft pressurisation control systems and components	Elective
MEA220	Inspect, test and troubleshoot aircraft primary radar systems and components	Elective
MEA221	Inspect, test and troubleshoot aircraft secondary radar systems and components	Elective
MEA222	Inspect, test and troubleshoot aircraft oxygen systems and components	Elective
MEA223	Inspect aircraft electrical systems and components	Elective
MEA224	Inspect aircraft instrument systems and components	Elective
MEA225	Inspect fixed wing aircraft automatic flight control systems and components	Elective
MEA226	Inspect aircraft electronic systems and components	Elective
MEA227	Test and troubleshoot aircraft electrical systems and components	Elective
MEA228	Test and troubleshoot aircraft instrument systems and components	Elective
MEA229	Test and troubleshoot aircraft radio frequency navigation and communications systems and components	Elective
MEA230	Test and troubleshoot fixed wing aircraft automatic flight control systems and components	Elective
MEA231	Inspect, test and troubleshoot rotary wing aircraft automatic flight control systems and components	Elective
MEA232	Test and troubleshoot aircraft pulse systems and components	Elective
MEA233	Inspect, test and troubleshoot aircraft inertial navigation and reference systems and components	Elective
MEA234	Inspect, test and troubleshoot aircraft global navigation systems and components	Elective
MEA261	Use electronic test equipment	Elective
MEA262	Modify/repair aircraft component single layer printed circuit boards	Elective
MEA263	Modify/repair aircraft component multi-layer printed circuit boards	Elective
MEA266	Terminate and repair aircraft	Elective
MEA278	Inspect, test and troubleshoot instrument display systems and components	Elective
MEA279	Inspect, test and troubleshoot full authority digital engine control systems	Elective
MEA280	Inspect, test and troubleshoot flight management systems and components	Elective

Code	Title	Core / Elective
MEA292	Remove and install advanced aircraft instrument system components	Elective
MEA293	Remove and install aircraft electronic system components	Elective
MEA294	Inspect, test and troubleshoot advanced aircraft electrical systems and components	Elective
MEA301	Perform aircraft flight servicing	Elective

Units of Competency (Component Maintenance Workshop Stream)		
MEA107	Interpret and use aviation maintenance industry manuals and specifications	Core
MEA118	Conduct self in the aviation maintenance environment	Core
MEA148	Apply mathematics and physics in aviation maintenance	Core
MEA154	Apply work health and safety practices in aviation maintenance	Core
MEA155	Plan and organise aviation maintenance work activities	Core
MEA156	Apply quality standards applicable to aviation maintenance processes	Core
MEA157	Complete aviation maintenance industry documentation	Core
MEA158	Perform basic hand skills, standard trade practices and fundamentals in aviation maintenance	Core
MEA201	Remove and install miscellaneous aircraft electrical hardware/components	Core
MEA246	Fabricate and/or repair aircraft electrical hardware or parts	Core
MEA261	Use electronic test equipment	Core
MEA296	Use electrical test equipment in aviation maintenance activities	Core
MSMENV272	Participate in environmentally sustainable work practices	Core
MEA252	Test, align and troubleshoot synchro and servo system components	Elective
MEA262	Modify/repair aircraft component single layer printed circuit boards	Elective
MEA263	Modify/repair aircraft component multi-layer printed circuit boards	Elective
MEA266	Terminate and repair aircraft optical fibre cable	Elective
MEA282	Repair or overhaul aircraft pulse system components	Elective
MEA283	Repair or overhaul aircraft display, control and distribution system components	Elective
MEA284	Repair or overhaul aircraft instrument system components	Elective

Code	Title	Core / Elective
MEA285	Repair or overhaul aircraft radio frequency communication and navigation system components	Elective
MEA286	Repair or overhaul aircraft electrical/electro-mechanical components	Elective
MEA287	Repair or overhaul aircraft oxygen system components	Elective
MEA288	Repair or overhaul aircraft audio and visual systems and reproducers	Elective

CASR Part 66 Basic Knowledge	
Module	Title
1	Mathematics
2	Physics
3	Electrical Fundamentals
4	Electronic Fundamentals
5	Digital Techniques Electronic Instrument Systems
6	Aircraft Materials and Hardware
7	Maintenance Practices
8	Aerodynamics
9	Human Factors
13	Aircraft Structures and Systems
14	Propulsion – Avionic Systems