



Case for Endorsement

MEA Aeroskills Training Package (Release 4)

Submitted by IBSA Manufacturing on behalf of the Aerospace Industry
Reference Committee (June 2019)

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Prepared on behalf of the Aerospace IRC for the Australian Industry Skills Committee (AISC)

Aerospace Industry Reference Committee
MEA Release 4 Case for Endorsement (June 2019)

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Section A: Administrative details

Name of Industry Reference Committee (IRC)

Aerospace Industry Reference Committee. **Refer to Appendix A for list of Aerospace IRC members.**

Name of Skills Service Organisation (SSO)

Innovation and Business Skills Australia (IBSA) Manufacturing.

Case for change and activity order information

This Case for Endorsement (CfE) was prepared by IBSA Manufacturing on behalf of the Aerospace Industry Reference Committee (IRC). It builds on work proposed by the Aerospace IRC, in its *MEA Aeroskills Training Package Case for Change December 2017* and associated Activity Order reference: IBSA/TPD/2017-2018/001.

On 18 December 2018, a variation was approved to the above activity order, which divided the work into two stages.

This Case for Endorsement relates to the the first stage to upgrade of the Diploma of Aeroskills (Mechanical) to reinstate the elective banks and change packaging rules to facilitate a pathway for participants seeking Civil Aviation Safety Authority (CASA) Licence subcategories B1.2 and B1.4.

The Case for Endorsement outlines how the component will support implementation of the November 2015 COAG Industry and Skills Council training package reforms summarised at:

www.education.gov.au/vocational-education-and-training-reform.

Section B: Description of work and request for approval

Draft components for endorsement

The Aeroskills Training Package (Release 4) component to be submitted for approval has one revised non-equivalent qualification:

- MEA50219 Diploma of Aeroskills (Mechanical)

Work undertaken on draft endorsed components

Work on MEA50219 Diploma of Aeroskills (Mechanical) was undertaken in direct response to regulatory compliance requirements and workforce needs in the aerospace industry. The key objective was to change the qualification to allow for achievement of all CASA B1 Licence sub-categories for aircraft maintenance engineers. This was achieved through the inclusion of two additional elective groups to cater for the B1.2 and B1.4 licence sub-categories. Both elective groups comprise existing MEA units of competency to support piston engines and helicopter maintenance.

The revised qualification will provide greater employability and movement between organisations with the similar licensed job roles. MEA50219 *Diploma of Aeroskills (Mechanical)* is recognised across the industry in a variety of technical work contexts

This work addressed both Civil Aviation Safety Authority (CASA) and Defence Aviation Safety Authority (DASA) licensing and regulatory requirements.

As a result of the expanded qualification, industry stakeholders have confirmed that the vocational outcomes of the revised qualification are not equivalent.

IRC upgrade components

There are no draft IRC upgrade components included in this release of the MEA Aeroskills Training Package.

Section C: Evidence of industry support

Written evidence of IRC support

A fully constituted Aerospace IRC approved the draft components for submission to the Australian Industry and Skills Committee for endorsement. **Refer to Appendix A for list of Aerospace IRC members.**

Evidence of consultation with relevant stakeholders

Aerospace IRC members support the draft MEA qualification, the units of competency and the analysis of the anticipated impact of the change on the industry and on the vocational education and training (VET) sector. IRC members provided extensive direction and assistance in the development of the MEA Release 4 training package component. Written evidence of this support is documented in **Appendix B**.

Key individual and group stakeholders identified by the Aerospace IRC were consulted during the development process.

The consulted key stakeholders are detailed in **Appendix C**.

All key stakeholder feedback was considered during the consultation periods, and access to draft material was made available to industry stakeholders on the IBSA Manufacturing website project page for industry sector-wide consultation.

The following diverse consultation strategies with the aviation industry and training organisations were used to ensure that relevant stakeholders were consulted:

- face-to-face and phone meetings and emails to key industry stakeholders
- national face-to-face public consultation sessions and webinar meetings during the first round of consultation
- IRC member communications to their relevant industry networks using various methods
- emails to State and Territory Training Authorities (STAs) and VET regulators
- project progress updates to stakeholders providing information about the progress updates and draft materials posted on the IBSA website throughout the life of the project
- TAC meetings throughout the project to provide technical input on draft components and response to feedback during the two consultation stages of the project

Evidence of engagement with, and advice from State and Territory Training Authorities

The views of State Training Authorities (STAs), Industry Skills Advisory Council NT (ISACNT) and Industry Training Advisory Bodies (ITABs), were sought via phone meeting on the draft endorsed components and related training and VET policy matters, and all feedback presented to the IRC during the transition, review and development of the draft endorsed material.

No MEA training package component is being proposed for deletion from the National Register in this Case for Endorsement being submitted to the AISC.

Feedback and Case for Endorsement approval was received from the Aerospace IRC on **20 March 2019**.

Following two comprehensive rounds of industry and Registered Training Organisation (RTO) consultation, IBSA Manufacturing circulated the MEA Case for Endorsement to all State and Territory Training Authorities (STAs) and associated support staff on **29 April 2019** for review and feedback within two weeks..

No objections were raised by any of the Industry bodies

Competing views

There is a limited number of stakeholders delivering the draft MEA components. Those delivering are aware of the minimum standard arrangements to which the Aerospace IRC and Civil Aviation Safety Authority (CASA) requirements adhere.

No alternative view or alternative arrangements in relation to the draft endorsed material were proposed to Aerospace IRC members.

Report by exception

The Victorian State Training Authority has indicated that they don't support this Case for Endorsement based on concerns about the design of the MEA50219 Diploma of Aeroskills (Mechanical). In particular, it has concerns related to:

- the partial nesting of the Certificate IV qualification in the Diploma
- the expression of pre-requisite units and the perceived mandating of training delivery sequence
- complexity of the packaging rules.

None of these items relate to changes made to the qualifications as part of this project, and are all features of the previously endorsed qualification.

Despite several follow up communications, discussions and meetings involving members of the IRC, the SSO and the STA, it has not been possible to resolve the concerns. At this point in time, the IRC is resolute that the only changes to be made to the MEA50219 Diploma of Aeroskills (Mechanical) are those to facilitate a pathway for participants seeking Civil Aviation Safety Authority (CASA) Licence subcategories B1.2 and B1.4. All other aspects of the currently endorsed qualification are to remain the same.

However, the IRC acknowledges that the design of this qualification (and others in MEA) could be improved. The VET / CASA alignment project due for completion in mid 2020 is a significant review which will involve the re-development of all MEA qualifications. It provides the opportunity for industry to holistically consider the whole suite of qualifications and their interrelationships, particularly in the context of improved harmonisation with licensing requirements. Through the SSO, the IRC will engage with the Department of Education in Victoria at an early stage to ensure all of its concerns are comprehensively considered during the project.

Evidence of key stakeholder awareness of expected impact of changes

Key stakeholder views were sought in regard to the expected impact of changes. For security reasons, the internal Defence stakeholders consulted cannot be provided. Stakeholders external to Defence are listed in **Appendix C**.

As part of the ongoing project communication strategy, all public, government and Defence stakeholders were regularly informed of the expected impact during the consultation periods by email.

All stakeholder feedback was provided to the Aerospace IRC for consideration and any IRC decisions on the applicability of the feedback were reflected in draft product.

Section D: Industry expectations about training delivery

Advice about industry's expectations of training delivery

The draft endorsed components impact directly on the safety and airworthiness of aircraft in the aviation industry, and in the case of MEA50219 *Diploma of Aeroskills (Mechanical)*, the ability to attain the necessary skills and licensing requirements to maintain aircraft as a B1 licensed aircraft maintenance engineer. Consequently, the timely implementation of this qualification is crucial. Implementation will be completed according to government policy intent and timelines.

The components reflect the requirements of the *Standards for Training Packages 2012*.

Timelines for implementation of the components

The currently endorsed qualification does not enable the attainment of CASA Licence sub-categories B1.2 and B1.4. As such, the implementation of the MEA Training Package Release 4, is required as a matter of priority, consistent with national policies for the transition and teach out of superseded Training Package components.

Industry's imperatives and timelines for implementation of Release 4 components

MEA training providers will focus on providing quality training and assessment that is consistent and will meet the outcomes identified in the units of competency.

Traineeship or apprenticeship advice

The draft endorsed MEA50219 Diploma of Aeroskills (Mechanical), draws on existing units which are suitable for a traineeship or an apprenticeship, should these units be selected as an elective in a qualification that is used as a traineeship or apprenticeship.

Section E: Implementation of MEA Release 4 components

Occupational and licensing requirements

Aviation maintenance is highly regulated by both CASA and DASA. Regulations are often based on International Civil Aviation Organisation (ICAO) requirements and are aligned with those of the European Aviation Safety Agency (EASA). For this reason, comprehensive advice is provided in the MEA Companion Volume Implementation Guide on occupational and licensing requirements, with users advised to contact CASA or DASA as applicable for authoritative information on licensing requirements.

Licensing and regulatory requirements are also embedded in MEA units of competency. Where knowledge of legal and legislative requirements is needed to carry out a function it is specified in the unit of competency. These requirements, as well as other licensing and regulatory requirements, will not impede the implementation of the MEA Training Package Release 4.

With regard to the draft endorsed training components, the main focus of this project has been to revise MEA50219 *Diploma of Aeroskills (Mechanical)* to include all CASA B1 licence sub-categories. The qualification applies to workplaces that operate under the airworthiness regulatory systems of both CASA and DASA.

Implementation issues of note and management strategy

The key impact of changes to the MEA50219 Diploma of Aeroskills (Mechanical) is positive as the qualification now provides access to all B1 licence categories.

In addition, STAs, registration and accrediting bodies, and training providers will need to ensure that processes implemented are valid and in line with government policy.

Section F: Quality Assurance Report

Independent Quality Report

In line with the *Training Package Development and Endorsement Process Policy* (AISC, 2016), the draft material being submitted for endorsement was reviewed by two different members of the *Training Package Quality Assurance* panel, one of whom provided an Editorial and Equity Report advising of the product's compliance, the second panel member providing a Quality Report advising of the product's compliance. **Refer Appendix D for Credit Arrangements template and Appendix E for Quality Assurance Report**

SSO declaration

IBSA Manufacturing declares that the proposed training package component(s) meet the requirements of the *Standards for Training Packages 2012*, *Training Package Products Policy*, and *Training Package Development and Endorsement Process Policy*.

Companion Volume Implementation Guide confirmation

The Companion Volume Implementation Guide has been quality assured through the IBSA Manufacturing internal process, and through the independent quality assurance process. It is available with this submission and will be available on the VETNet website.

Statement of evidence against the Training Package Quality Principles

It is hereby stated that evidence demonstrating compliance with the Training Package Quality Principles was collected during the development, validation and endorsement process and confirmed by the *Training Package Quality Assurance* panel member who provided the Quality Report and was independent of all development activity.

Section G: Implementation of COAG ISC training package reforms

The COAG Industry and Skills Council reforms to training packages were implemented as follows.

Removal of obsolete and superfluous qualifications

In line with the approved Case for Change, this case for endorsement does not include the removal of any obsolete or superfluous MEA Training Package products.

Information available about industry's expectations of training delivery to improve training providers' delivery and enable more informed consumer course choices.

Consultation during the development phase of this draft training product focused on capturing information to improve delivery.

Training system that better supports individuals to move easily from one related occupation to another.

The MEA units are predominantly used in aviation workplaces that operate under the airworthiness regulatory systems of the Civil Aviation Safety Authority (CASA) and the Defence Aviation Safety Authority (DASA) movement beyond this context is not expected.

Improved training system efficiency by creating units that can be owned and used by multiple industry sectors.

The addition of the two elective banks to the Diploma of Aeroskills (Mechanical), has facilitated training in piston engines and helicopter maintenance, and broadens the range of sectors within the industry which are supported by this qualification.

The aerospace sector is a highly specialised and regulated sector which as a result tends to preclude the use of MEA units by other industry sectors. Where feasible, units of competency from outside the

MEA Training Package are packaged into the qualification.

Foster greater recognition of skill sets.

Skill sets are a feature of the MEA Aeroskills Training Package; there being 213 MEA skill sets available on TGA. No new skill sets were developed under this Case for Endorsement.

Develop new training courses as quickly as industry needs them and make them available to support niche skill needs.

All Release 4 MEA material is revised material, already available to industry.

Evidence of completion of work assigned


The draft endorsed components meet the requirements for the *Standards for Training Packages 2012* as well as those of the National Register (www.training.gov.au).

Evidence that Training Package components are prepared for publication

The Aerospace IRC has confirmed the training package component(s) detailed in Section of this Case for Endorsement are prepared for publication.

The Aerospace IRC has confirmed that the work assigned by the AISC as part of Stage 1 of the Activity Order: IBSA/TPD/2017-2018/001 is now complete

See Aerospace IRC Chair sign-off below.

Name of Chair	Russell Burgess (Chair)
Signature of Chair	
Date	20/03/2019

Section H: Full content of proposed draft components

One revised non-equivalent qualification, the MEA50219 Diploma of Aeroskills (Mechanical) appears as **Appendix F**.

Appendices

Appendix A: Aerospace IRC members

The table below provides information on individual members of the AISC-approved Aerospace Industry Reference Committee.

Organisation type/ category	Organisation/ area of expertise	Representative	Coverage
Employer/ Peak organisation/ Association	Qantas Airways Limited	Russell Burgess (Chair)	National
	Aviation Maintenance Repair Overhaul Business Association	Ken Cannane	National
	Regional Aviation Association of Australia	Mike Higgins	National
	Department of Defence	Lynda Douglas	National
Small or regional airline operator	Chartair	Douglas Hendry	NT
Union	Australian Licensed Aircraft Engineers Association	Stephen Re	National
	Australian Manufacturing Workers' Union	Paul Baxter	National
	Communication Electrical & Plumbing Union – Electrical Trades Division	Matt Murphy	National
	Australian Workers' Union	Mark Fagan	National
Government regulator	Civil Aviation Safety Authority	Michael McGill	National
Industry expertise	Enterprises engaged in military aircraft repair and maintenance, including Defence contract work	Michael Evans (Deputy Chair)	National
		Warren Bossie	National
	Aviation maintenance repair enterprise	Mary Brown	QLD
	Aviation maintenance repair enterprise	Steven Wright	National

Appendix B: Letters of support

31 August 2018

Vince Panozzo
Industry Manager
IBSA Manufacturing

Dear Vincent

RE: Aerospace Industry Reference Committee's 2019 Industry Skills Forecast and Proposed Schedule of Work

As a member of the Aerospace Subcommittee and IRC, overseeing the review of the Diploma of Aeroskills (Mechanical), the Regional Aviation Association of Australia supports the reviewed training package components for the following reasons:

- The reviewed Qualification, Diploma of Aeroskills (Mechanical) will facilitate a pathway for participants seeking CASA Licence sub-categories B1.2 and B1.4.
- The training package components have been significantly strengthened and closely reflect current industry practice.
- The National consultation process on DRAFT components confirms the need and benefits to technicians seeking the category B1 Aircraft maintenance engineer licence

Kind regards



Mike Higgins
Chief Executive Officer
Regional Aviation Association of Australia
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Australian Government
Civil Aviation Safety Authority

AVIATION GROUP

GPO Box 2005
Canberra ACT 2601
Telephone 131 757

CASA Ref: F17/278-3

31 August 2018

Innovation & Business Skills Australia (IBSA)

Dear Mr Vince Panozzo
(Industry Manager)
IBSA Manufacturing

**Aerospace Industry Reference Committee's 2019 Industry Skills Forecasts and
Proposed Schedule of Work**

As a members of the Aerospace Subcommittee and Industry Reference Committee (IRC) overseeing the review of the Diploma of Aeroskills (Mechanical), I support the reviewed training package components for the following reasons:

- the reviewed Qualification, Diploma of Aeroskills (Mechanical) will facilitate a pathway for participants seeking CASA Licence sub-categories B1.2 and B1.4
- the training package components have been significantly strengthened and closely reflect current industry practice
- the National consultation process on DRAFT components confirms the need and benefits to technicians seeking the category B1 aircraft maintenance engineer licence

Yours sincerely

Michael McGill
Senior Standards Officer
Airworthiness and Engineering Branch
National Operations and Standards Division
CASA/Aviation Group

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GPO Box 2005 Canberra ACT 2601 Telephone 131 757 <www.casa.gov.au>



Vince Panozzo
Industry Manager
IBSA Manufacturing

3/9/2018

Vince,

As a member of the Areospace Subcommittee and IRC, overseeing the review of the Diploma of Aeroskills (Mechanical), I support the reviewed training package components for the following reasons:

- The reviewed Qualification, Diploma of Aeroskills (Mechanical) will at long last facilitate a pathway for participants seeking CASA Licence sub-categories B1.2 and B1.4.*
- The training package components have been significantly strengthened and closely reflect current industry practice.*
- The National consultation process on DRAFT components confirms the need and benefits to aircraft maintenance engineers seeking the category B1 Aircraft Maintenance Engineer Licence.*

On behalf of our members, we appreciate the work that you and your staff have applied to correct this error in the training package that has restricted skill training for nearly a decade.

Ken Cannane
AMROBA
Phone: (02) 97592715
Mobile: 0408029329
www.amroba.org.au
Safety All Around.

3 September 2018

Vince Panozzo
Industry Manager
IBSA Manufacturing



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Ph: (02) 9554 9399 Fax: (02) 9554 9644
Email: alaea@alaea.asn.au
Web: www.alaea.asn.au
ABN: 84 234 747 620

Re: Review of the Diploma of Aeroskills (Mechanical)

Dear Vince,

As a member of the Aerospace IRC and Aerospace sub-committee overseeing the review of the Diploma of Aeroskills (Mechanical), I support the reviewed training package components for the following reasons:

- The reviewed Qualification, Diploma of Aeroskills (Mechanical) will reinstate the pathway for participants seeking CASA Mechanical Piston Engine Aircraft Licence sub-categories B1.2 and B1.4.
- The training package components have been significantly strengthened and closely reflect current industry practice.
- The need and benefits to engineers seeking the category B1.2 and B1.4 Aircraft Maintenance Engineers Licence have been established through the National consultation process

Yours sincerely,

Stephen Re

Technical Affairs

“Guardians of Air Safety”

10th September 2018

Mr Vincent Panozzo
Industry Manager
IBSA Manufacturing

Re: Review of the Diploma of Aeroskills (Mechanical)

Dear Vince,

As a member of the Aerospace Subcommittee and IRC, overseeing the review of the Diploma of Aeroskills (Mechanical), I support the reviewed training package components for the following reasons:

- The reviewed Qualification, Diploma of Aeroskills (Mechanical) will reinstate the pathway for participants seeking CASA Mechanical Piston Engine Aircraft Licence sub-categories B1.2 and B1.4. This pathway has been unavailable for some time and is critical to the General Aviation industry for maintainers and operators of piston engine aircraft.
- The training package components have been significantly strengthened and closely reflect current industry practice.
- The National consultation process on DRAFT components confirms the need and benefits to technicians seeking the category B1 Aircraft maintenance engineer licence.

Yours sincerely



Warren Bosse | Manager Fleet and Business Aircraft Regulatory Services

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ASIA | THE PACIFIC | THE MIDDLE EAST

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Appendix C: Stakeholders consulted and providing feedback

The table below provides information on those stakeholders consulted during the MEA Release 4 project.

First name	Surname	Title	Organisation	Type of organisation	Location	Method of consultation		
						Email	Phone	Face to face
Ian	Bailey	Senior Educator (Projects) School of Engineering (TAFE)	RMIT University	RTO	VIC	<input checked="" type="checkbox"/>		
Lisa	Barron	Policy, Planning and Research	Department of Training and Workforce Development	Government	WA	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>
Paul	Baxter	Member of Aerospace Industry Reference Committee (IRC)	Australian Manufacturing Workers' Union	Union	QLD	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Susan	Bearfield	Manager, National Policy & Reform	NSW Department of Industry	Government	NSW	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>
Paul	Bettison		TAFE SA	RTO	SA	<input checked="" type="checkbox"/>		
Marina	Borello		Skills and Employment, Department for Industry and Skills	Government	SA	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>
Warren	Bossie	Member of Aerospace Industry Reference Committee (IRC)	Hawker Pacific	Industry	NSW	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Tony	Brand	Owner/ Chief Engineer	Horsham Aviation	Industry	VIC	<input checked="" type="checkbox"/>		
Gordon	Brown		Aviation Australia	RTO	QLD	<input checked="" type="checkbox"/>		
Ken	Cannane	Member of Aerospace Industry Reference Committee (IRC)	Aviation Maintenance Repair Overhaul Business Association (AMROBA)	Association	NSW	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Lee	Carter	Manager, Training Products Unit	Department of Education and Training	Government	VIC	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>
Dennis	Crowley	Curriculum Maintenance Manager, General Manufacturing	Chisholm Institute	RTO	VIC	<input checked="" type="checkbox"/>		
David	Currey	Chief Executive Officer	Royal Aero Club of WA	Industry	WA	<input checked="" type="checkbox"/>		

First name	Surname	Title	Organisation	Type of organisation	Location	Method of consultation		
						Email	Phone	Face to face
Gordon	Davis	WOATV Workforce Manager - Aviation Technician	Directorate of Navy Workforce Management (DNWM)	Industry	ACT	<input checked="" type="checkbox"/>		
Stephen	Dawkins	Head Teacher Polymers and Aerospace	TAFE NSW Padstow	RTO	NSW	<input checked="" type="checkbox"/>		
Stephen	Death	Owner/Chief Engineer	Hazair Pty Ltd	Industry	NSW	<input checked="" type="checkbox"/>		
Mary	Brown	Member of Aerospace Industry Reference Committee (IRC)	Nth Qld Aviation Services/ Family Group Companies	Industry	QLD	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Nelson	Brown	Senior Project Officer	Workforce NT, Department of Trade	Government	NT	<input checked="" type="checkbox"/>		
Russell	Burgess	Chair of Aerospace Industry Reference Committee (IRC)	Qantas Airways Limited	Industry	NSW	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Brian	Camp	Director/ Training Manager	Aviation Training Services Victoria	RTO	VIC	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Lynda	Douglas	Member of Aerospace Industry Reference Committee (IRC)	Department of Defence	Federal Government	ACT	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Leon	Drury	Executive Officer	Manufacturing Skills Australia	ITAB	NSW	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Michael	Evans	Deputy Chair of Aerospace Industry Reference Committee (IRC)	BAE Systems	Industry	NSW	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Mark	Fagan	Member of Aerospace Industry Reference Committee (IRC)	Australian Workers' Union	Union	NSW	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Irina	Ferouleva		Skills and Employment, Department for Industry and Skills	Government	SA	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>
Juliana	Fitzpatrick		Skills and Employment, Department for Industry and Skills	Government	SA	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>
Davis	Freemasmit	Chief Executive Officer	Airlite	Industry	WA	<input checked="" type="checkbox"/>		
Tim	Hand	Chief Executive Officer	Heliwest	Industry	WA	<input checked="" type="checkbox"/>		
Mark	Harper	Industry Consultant (Engineering and Automotive)	Utilities, Engineering, Electrical and Automotive Training Council	Training Council	WA	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

First name	Surname	Title	Organisation	Type of organisation	Location	Method of consultation		
						Email	Phone	Face to face
Douglas	Hendry	Member of Aerospace Industry Reference Committee (IRC)	Chartair	Small or Regional Airline Operator	NT	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Mike	Higgins	Member of Aerospace Industry Reference Committee (IRC)	Regional Aviation Association of Australia	Association	ACT	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Geoff	Hill	Engineering Training Manager	Jetstar	Industry	VIC	<input checked="" type="checkbox"/>		
Russ	Hodgkins	Head Teacher Aeroskills	TAFE NSW Tamworth	RTO	NSW	<input checked="" type="checkbox"/>		
Greg	Holland	Aviation Engineering Lecturer (Mechanical/ Structures) Aviation/ Mining, Engineering and Transport	TAFE SA Parafield	RTO	SA	<input checked="" type="checkbox"/>		
Stuart	Hollingsworth	Director, Workforce Policy and Strategic Relations	Skills and Employment, Skills Tasmania	Government	TAS	<input checked="" type="checkbox"/>		
Murray	Ireland	CEO	Aero Enterprise	Industry	QLD	<input checked="" type="checkbox"/>		
Gordon	Jamieson		Flight Training Adelaide	RTO	SA	<input checked="" type="checkbox"/>		
Paul	Jones	Sales & Business Development Manager	Aviation Australia	Industry	QLD	<input checked="" type="checkbox"/>		
Jodie	Kafer	Policy Officer	Skills Canberra	Government	ACT	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>
Howard	Lai	Senior Project Officer	Workforce NT, Department of Trade	Government	NT	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>
Terry	Lawler	Industry Engagement Officer	Industry Skills Advisory Council NT	ITAB	NT	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Paul	Lowe		TAFE NSW	RTO	NSW	<input checked="" type="checkbox"/>		
Son	Ly		NSW Department of Industry	Government	NSW	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>
Chadwick	Martin		South Metropolitan TAFE	RTO	WA	<input checked="" type="checkbox"/>		
Michael	McGee	Senior Workforce Development Consultant	Skills and Employment, Skills Tasmania	Government	TAS	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>
Michael	McGill	Member of Aerospace Industry Reference	Civil Aviation Safety Authority (CASA)	Government Regulator	ACT	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

First name	Surname	Title	Organisation	Type of organisation	Location	Method of consultation		
						Email	Phone	Face to face
		Committee (IRC)						
Noel	Miller	Accreditation Visit Manager	Engineers Australia	Association	VIC	<input checked="" type="checkbox"/>		
Ken	Mitchell	Director and Senior Instructor	Aviation Training Services Nowra	RTO	NSW	<input checked="" type="checkbox"/>		
Matt	Murphy	Member of Aerospace Industry Reference Committee (IRC)	Communication, Electrical & Plumbing Union - Electrical Trades Division	Union	NSW	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Sam	Nicolosi	Industry Engagement Officer	QMI Solutions	ITAB	QLD	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
John	Patten	Pt147 Quality Manager	Federation Training Victoria	RTO	VIC	<input checked="" type="checkbox"/>		
Fiona	Preston	Senior Policy Officer	Department of Training and Workforce Development	Government	WA	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>
Peter	Pring-Shambler	Engineering Consultant Director, Self-Administration - Australian Warbirds Association Limited	Australian Warbirds Association	Industry	NSW	<input checked="" type="checkbox"/>		
Stephen	Re	Member of Aerospace Industry Reference Committee (IRC)	Australian Licensed Aircraft Engineers Association	Union	NSW	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Mark	Roberts	Chief Executive Officer	Bristow Group	Industry	WA	<input checked="" type="checkbox"/>		
Bruce	Rogers	Chief Executive Officer	Aviation Training Services Victoria	RTO	VIC	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Ralph	Rosam	Executive Officer	Hawker Pacific	Industry	WA	<input checked="" type="checkbox"/>		
Niall	Ryan	MAJ SO2 RAEME Aeroskills Management	Army Aviation Training Centre Department of Defence	Government	QLD	<input checked="" type="checkbox"/>		
Linda	Seaborn	Manager, Workforce Policy and Programs	Skills and Employment, Skills Tasmania	Government	TAS	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>

First name	Surname	Title	Organisation	Type of organisation	Location	Method of consultation		
						Email	Phone	Face to face
Michael	Segrave	Senior Project Officer	Department of Education and Training	Government	VIC	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>
Gokul	Singh	Lecturer	TAFE SA	RTO	SA	<input checked="" type="checkbox"/>		
Bradley	Slattery		BAE Systems Australia RAAF Base Wagga	Industry	NSW	<input checked="" type="checkbox"/>		
Murray	Stephens		Virgin Australia	Industry	QLD	<input checked="" type="checkbox"/>		
Mark	Thompson	Technical Training Manager	Aviation Australia	Industry	QLD	<input checked="" type="checkbox"/>		
Guy	Valentine	Senior Project Officer	Skills and Employment, Queensland	Government	QLD	<input checked="" type="checkbox"/>		
Mark	Weeden	Executive Officer	CHC	Industry	WA	<input checked="" type="checkbox"/>		
Liam	White	Policy Officer	Skills Canberra	Government	ACT	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>
Benjamin	Whiting	Defence Aviation Safety Authority (DASA)	Defence Aviation Safety Authority (DASA)	Government Regulator	VIC	<input checked="" type="checkbox"/>		
Mark	Wisbey		Parafield Airport	Industry	SA	<input checked="" type="checkbox"/>		
Archie	Wright	Industry Engagement Officer	Industry Skills Advisory Council NT	ITAB	NT	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>
Stephen	Wright	Member of Aerospace Industry Reference Committee (IRC)	SM TAFE WA/ Progressive Aviation Solutions	Industry	WA	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Vince	Yip	CAPT RAEME Aeroskills Management	Army Aviation Training Centre Department of Defence	Government	QLD	<input checked="" type="checkbox"/>		

The Department of Defence was widely consulted during the MEA Release 4 project however, due to privacy laws, IBSA Manufacturing is not able to provide the names of all those consulted.

Organisations that provided feedback

(NB multiple stakeholders from the same organisation may have contributed to a submission)

Organisation	Type of organisation
AADIERR	Industry
AATIS	Industry
Ability Associates Australia Pty Ltd	Industry
Adastra Solutions	Industry
Aerial Consultancy	Industry

Organisation	Type of organisation
Aero Enterprise	Industry
Aerofix Pty Ltd	Industry
Ai Group	Employer organisation
Airag Aviation Services	Industry
Aircraft Electrical Services Pty Ltd	Industry
Airflite	Industry
Airline	Industry
Army Aviation Training Centre	Government
ASB Aviation	Industry
Association of Independent Schools NSW	Education and training
ATAE	Education and training
Australian Furniture Association (AFA)	Furnishing
Australian Government Civil Aviation Safety Authority	Aviation
Australian Manufacturing Workers' Union	Union
Australian School of Business	Registered training organisation
Australian Warbirds Association	Industry
Australian Workers' Union	Union
Avenir	Industry
Aviation Australia	Education and training
Aviation Australia	Industry
Aviation Australia	Registered training organisation
Aviation Maintenance Repair Overhaul Business Association (AMROBA)	Association
Aviation Training Services Victoria	Registered training organisation
Aviation Training Services Nowra	Registered training organisation
BAE Systems Australia	Industry
Box Hill Institute	Registered training organisation
Brisbane Aero Engineers	Industry
Bristow Group	Industry
Bunyip & Associates Pty Ltd	IBSA Consultant
Communication Electrical and Plumbing Union (CEPU)	Union
Charles Darwin University (CDU)	Registered training organisation
Chartair	Small or Regional Airline Operator
CHC	Industry
ChCheli	Industry
Chisholm Institute	Registered training organisation
Civil Aviation Safety Authority (CASA)	Government Regulator
Communication, Electrical & Plumbing Union - Electrical Trades Division	Union
CPOATA	Education and training
DEC Workforce Pty Ltd	Industry
Defence Aviation Safety Authority (DASA)	Government Regulator
DEFENCE.GOV.AU	Defence
Department of Defence	Federal Government
Department of Education and Training	State Government
Department of Education and Training	Government
Department of Infrastructure and Regional Development	State Government
Department of Training and Workforce Development	State Government
Department of Training and Workforce Development	Government
Department of Education and Training	State Government
Department of State Development	State Government
Directorate of Navy Workforce Management (DNWM)	Industry

Organisation	Type of organisation
Distinctive Solutions	Industry
DTWD WA	State Government
Engineers Australia	Association
Federation Training Victoria	Registered training organisation
Flight Training Adelaide	Registered training organisation
G AV Maintenance	Industry
GAICD Asia Pacific	Industry
Gateway Schools	Education and training
Glendale TAFE	Registered training organisation
Hawker Pacific	Industry
Hunter Assessment and Training	Education and training
Hunter Trade College	Registered training organisation
Industry Skills Advisory Council NT	State Government
Innovation and Collaboration Centre	Education and training
Jetstar Engineering	Industry
Jetstar	Industry
Jobs Queensland	State Government
Kareela Aviation	Industry
Logistics Training Council (ITAB)	ITAB
Manufacturing Skills Australia	ITAB
McLarens Aviation	Industry
Media Super	Industry
NGIDS	Industry
Northrop Grumman	Industry
NSW Air Flight Training Pty Ltd	Education and training
NSW Catholic Education Commission	Education and training
NSW Department of Education	State Government
NSW Department of Industry	State Government
NSW Education Standards Authority (NESA)	State Government
Nth Qld Aviation Services/ Family Group Companies	Industry
Parafield Airport	Industry
Qantas	Industry
Qantas + GA	Industry
Qantas Airways Ltd	Industry
Qantas Engineering	Industry
Qantas Engineering WA	Industry
Qantaslink	Industry
QFE	Industry
QMI Solutions	ITAB
Ramjet Aviation	Industry
Raytheon	Industry
Regional Aviation Association of Australia	Association
RFDS	Education and training
Riverina Air Motive Pty Ltd	Industry
RMIT University	Registered training organisation
Royal Aero Club of WA	Industry
Royal Australian Air Force (RAAF)	Defense
RTObiz	Education and training
SAFE HELIDECKS	Employer
Self-employed contract Licensed Aircraft Maintenance Engineer (LAME)	Industry
Skills and Employment, Department for Industry and Skills	Government
Skills and Employment, Queensland	Government

Organisation	Type of organisation
Skills and Employment, Skills Tasmania	Government
Skills Canberra	State Government
Skills Tasmania	State Government
skydive australia	Industry
South Metropolitan TAFE WA	Registered training organisation
State Training Authorities	STA
SUPERAIR	Industry
TAFE NSW	Registered training organisation
TAFE NSW Tamworth	Registered training organisation
TAFE SA	Registered training organisation
TAFE SA Parafield	Registered training organisation
TAFE SA	Registered training organisation
TAFE Tamworth. Known as Aviskills	Registered training organisation
TMI Management Solutions	Industry
Toll Aviation Engineering	Education and training
Torque Holdings Pty Ltd	Industry
Transtegic	Industry
TTNA	Industry
UNITE DEARO	Industry
University of New South Wales	Education and training
University of Newcastle	Education and training
University of Sydney	Education and training
Utilities, Engineering, Electrical and Automotive Training Council	Training Council
VARA	Industry
Virgin Australia	Industry
Virgin Tech	Industry
Western Sydney University	Education and training
Workforce NT, Department of Trade	Government

Appendix D: Credit Arrangement template



Australian Government
Department of Industry

Skills

Credit Arrangements Template

<i>CREDIT ARRANGEMENTS FOR MEA AEROSKILLS TRAINING PACKAGE (Release 3)</i>		
<i>QUALIFICATION CODE</i>	<i>QUALIFICATION TITLE</i>	<i>CREDIT ARRANGEMENT DETAILS</i>
MEA50219	Diploma of Aeroskills (Mechanical)	<p>Specifies existing credit arrangements between Training Package qualifications and Higher Education qualifications in accordance with the AQF.</p> <p><i>At the time of endorsement of this Training Package no national credit arrangements exist.</i></p>
<i>LINKS</i> <i>Mandatory field</i>	Companion Volume implementation guides are found in VETNet - https://vetnet.education.gov.au/Pages/TrainingDocs.aspx?docId=ce216c9c-04d5-4b3b-9bcf-4e81d0950371&n=Aeroskills%20Training%20Package	

Appendix E: Quality Assurance Report

Section 1 – Cover page

Information required	Detail
Training Package title and code	MEA Aeroskills Training Package (on endorsement, Release 4)
Number of new qualifications and their titles	<ul style="list-style-type: none"> Nil
Number of revised qualifications and their titles	One revised qualification: <ul style="list-style-type: none"> MEA50219 Diploma of Aeroskills (Mechanical).
Number of new units of competency and their titles	<ul style="list-style-type: none"> N/A. There are no new MEA units of competency in this Case for Endorsement.
Number of revised units of competency and their titles	<ul style="list-style-type: none"> N/A. There are no new MEA units of competency in this Case for Endorsement.
Confirmation that the panel member is independent of: <ul style="list-style-type: none"> the Training Package or Training Package components review ('Yes' or 'No') development and/or validation activities associated with the Case for Endorsement ('Yes' or 'No') undertaking the Equity and/or Editorial Reports for the training package products that are the subject of this quality report ('Yes' or 'No') 	Yes , I am independent of: <ul style="list-style-type: none"> MEA Training Package The development and validation activities The Equity and Editorial reports
Confirmation of the Training Packages or components thereof being compliant with the <i>Standards for Training Packages 2012</i>	Yes , the MEA Aeroskills TP R4 is compliant with the <i>Standards for Training Packages 2012</i>
Confirmation of the Training Packages or components thereof being compliant with the <i>Training Package Products Policy</i>	Yes , the MEA Aeroskills TP R4 is compliant with the <i>Training Package Products Policy</i> .
Confirmation of the Training Packages or components thereof being compliant with the <i>Training Package Development and Endorsement Process Policy</i>	Yes , the MEA Aeroskills TP R4 is compliant with the <i>Training Package Development and Endorsement Process Policy</i>
Panel member's view about whether: <ul style="list-style-type: none"> the evidence of consultation and validation process being fit for purpose and commensurate with the scope estimated impact of the proposed changes is sufficient and convincing 	Yes
Name of panel member completing Quality Report	Anna Henderson
Date of completion of the Quality Report	20 th June 2019

Section 2 – Compliance with the Standards for Training Packages 2012

Standards for Training Packages	Standard met 'yes' or 'no'	Evidence supporting the statement of compliance or noncompliance (including evidence from equity and editorial reports)
<p>Standard 1</p> <p>Training Packages consist of the following:</p> <ol style="list-style-type: none"> 1. AISC endorsed components: <ul style="list-style-type: none"> • qualifications • units of competency • assessment requirements (associated with each unit of competency) • credit arrangements 2. One or more quality assured companion volumes 	Yes	<p>The MEA Aeroskills Training Package R4 submission consists of the following endorsed components:</p> <ul style="list-style-type: none"> • 1 qualification • credit arrangements are discussed in the <i>MEA Aeroskills Training Package (R4) Companion Volume Implementation Guide (CVIG)</i>: 'Some qualifications fully articulate with higher level qualifications and others provide varying levels of credit transfer.' Page 84 • See Standard 10 for more information. • A quality assured Companion Guide – MEA Aeroskills TP R4 CVIG.
<p>Standard 2</p> <p>Training Package developers comply with the <i>Training Package Products Policy</i></p>	Yes	<p>The draft Training Package component complies with this Standard:</p> <ul style="list-style-type: none"> • Coding and titling –: the qualification complies with the coding and titling policy. • Foundation Skills –: The MEA Aeroskills TP R4 CVIG provides further explanation about foundation skills (page 89). • Mapping - the mapping tables found in the MEA Aeroskills TP R4 CVIG including equivalence status of the endorsed components. • Qualification packaging rules –the rules for the qualification are clear and practical and allow for packaging for a range of contexts. • Qualification – pathway advice – typical occupation outcomes advice is included in the MEA Aeroskills TP R4 CVIG (pages 81-83).

<p>Standard 3</p> <p>Training Package developers comply with the <i>AISC Training Package Development and Endorsement Process Policy</i></p>	<p>Yes</p>	<p>The Case for Endorsement (CfE) provides information about work on MEA50219 Diploma of Aeroskills (Mechanical). It was undertaken in direct response to regulatory compliance requirements and workforce needs in the aerospace industry.</p> <p>This work addressed both CASA and Defence Aviation Safety Authority (DASA) licensing and regulatory requirements.</p> <p>As a result of the expanded qualification, industry stakeholders have confirmed that the vocational outcomes of the revised qualification are not equivalent.</p> <p>As discussed in the CfE, the MEA review and development work consists of one qualification. The Aerospace IRC approved the draft components for submission to the Australian Industry and Skills Committee for endorsement.</p> <p>IBSA Manufacturing advised that IRC members provided extensive direction and assistance. Written evidence of this support is documented in Appendix B of the CfE.</p> <p>All key stakeholder feedback was considered during the consultation periods, and access to draft material was made available to industry stakeholders on the IBSA Manufacturing website project page for industry sector-wide consultation.</p> <p>IBSA Manufacturing advised that the following consultation strategies were adopted with the aviation industry and training organisations to ensure that relevant stakeholders were consulted:</p> <ul style="list-style-type: none"> • face-to-face and phone meetings and emails to key industry stakeholders • national face-to-face public consultation sessions and webinar meetings during the first round of consultation • IRC member communications to their relevant industry networks using various methods • emails to State and Territory Training Authorities (STTAs) and VET regulators • project progress updates to stakeholders providing information about the progress updates and draft materials posted on the IBSA website throughout the life of the project • Technical Advisory Committee (TAC) meetings throughout the project to provide technical input on draft components and response to feedback during the two consultation stages of the project.
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Standards for Training Packages	Standard met 'yes' or 'no'	Evidence supporting the statement of compliance or noncompliance (including evidence from equity and editorial reports)
Standard 4 Units of competency specify the standards of performance required in the workplace	N/A	There are no MEA units of competency in this Case for Endorsement.
Standard 5 The structure of units of competency complies with the unit of competency template	N/A	There are no MEA units of competency in this Case for Endorsement.
Standard 6 Assessment requirements specify the evidence and required conditions for assessment	N/A	There are no MEA units of competency in this Case for Endorsement.
Standard 7 Every unit of competency has associated assessment requirements. The structure of assessment requirements complies with the assessment requirements template	N/A	There are no MEA units of competency in this Case for Endorsement.
Standard 8 Qualifications comply with the Australian Qualifications Framework specification for that qualification type	Yes	The qualification complies with the AQF specification for the qualification type.
Standard 9 The structure of the information for the Australian Qualifications Framework qualification complies with the qualification template	Yes	The structure of the qualification complies with the qualification template.
Standard 10 Credit arrangements existing between Training Package qualifications and Higher Education qualifications are listed in a format that complies with the credit arrangements template	Yes	The MEA Aeroskills Training Package CVIG, R4 states that: <i>Some qualifications fully articulate with higher level qualifications and others provide varying levels of credit transfer.</i> Page 84
Standard 11 A quality assured companion volume implementation guide produced by the Training Package developer is available at the time of endorsement and complies with the companion volume implementation guide template.	Yes	The Training Package component in this submission are accompanied by the MEA Aeroskills <i>Training Package CVIG R4</i> . The CVIG complies with the companion volume implementation guide template included in the 2012 Standards and has been quality assured in line with the IBSA Manufacturing editorial processes. The equivalence statement in the mapping table of the CVIG advises that MEA50219 is not equivalent to its previous versions.
Standard 12 Training Package developers produce other quality assured companion volumes to meet the needs of their stakeholders as required.	Yes	The MEA Aeroskills TP R4 CVIG includes information about typical occupation outcomes and how MEA qualifications relate to jobs within the industry. IBSA Manufacturing has also produced companion resources for the other industry sectors they cover.

Section 3 – Compliance with the training package quality principles

Note: not all training package quality principles might be applicable to every training package or its components. Please provide a supporting statement/evidence of compliance or non-compliance against each principle.

Quality principle 1. Reflect identified workforce outcomes

Key features	Quality principle is met: Yes / No or N/A	Evidence demonstrating compliance/non compliance with the quality principle Please see examples of evidence in the <i>Training Package Development and Endorsement Process Policy</i>
Driven by industry's needs	Yes	The MEA Aeroskills Training Package draft component has been driven in direct response to regulatory compliance requirements and workforce needs in the aerospace industry. The key objective was to change the qualification to allow for achievement of all both Civil Aviation Safety Authority (CASA) B1 Licence sub-categories for aircraft maintenance engineers. This was achieved through the inclusion of two additional elective groups to cater for the B1.2 and B1.4 licence sub-categories. Both elective groups comprise existing MEA units of competency to support piston engines and helicopter maintenance.
<p>Compliant and responds to government policy initiatives</p> <p>Training package component responds to the COAG Industry and Skills Council's (CISC) training package-related initiatives or directions, in particular the 2015 training package reforms. Please specify which of the following CISC reforms are relevant to the training product and identify supporting evidence:</p> <ul style="list-style-type: none"> ensure obsolete and superfluous qualifications are removed from the system ensure that more information about industry's expectations of training delivery is available to training providers to improve their delivery and to consumers to enable more informed course choices ensure that the training system better supports individuals to move easily from one related occupation to another improve the efficiency of the training system by creating units that can be owned and used by multiple industry sectors foster greater recognition of skill sets 	Yes	<p>Compliance with Government policy initiatives</p> <p>IBSA Manufacturing advised that the revised qualification will provide greater employability and movement between organisations with the similar licensed job roles. MEA50219 <i>Diploma of Aeroskills (Mechanical)</i> is recognised across the industry in a variety of technical work contexts. The focus on increasing employability is consistent with Government policy initiatives.</p> <p>This draft component in this submission address both Civil Aviation Safety Authority (CASA) and Defence Aviation Safety Authority (DASA) licensing and regulatory requirements.</p> <p>As a result of the expanded qualification, industry stakeholders have confirmed that the vocational outcomes of the revised qualification are not equivalent.</p> <p>The Implementation Guide provides sufficient information on pathways. Advice on access and equity is provided in the Guide. This includes information on such access and equity considerations as guidance on reasonable adjustment and also useful information on identifying and supporting learners' foundation skills.</p> <p>Training delivery/flexibility (supporting movement from related occupations)</p> <p>The key impact of changes to the MEA50219 Diploma of Aeroskills (Mechanical) is positive as the qualification now provides access to all B1 licence categories.</p> <p>Improve efficiency of the training system</p> <p>There are no entry requirements for the draft qualification.</p> <p>MEA50219 Diploma of Aeroskills (Mechanical) applies to those seeking a CASA B1 aircraft maintenance engineer licence.</p>

Reflect contemporary work organisation and job profiles incorporating a future orientation	Yes	The qualification aligns with current and future industry outcomes.
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Quality principle 2: Support portability of skills and competencies including reflecting licensing and regulatory requirements

Key features	Quality principle is met: Yes / No or N/A	Evidence demonstrating compliance with the quality principle Please see examples of evidence in the <i>Training Package Development and Endorsement Process Policy</i>
Support movement of skills within and across organisations and sectors	Yes	The MEA Aeroskills qualification support careers and skill development in the Aeroskills industry. Typical occupation outcomes advice is included in the MEA Aeroskills TP R4 CVIG (pages 81-83).
Promote national and international portability	Yes	There are no barriers relating to entry to the MEA Aeroskills qualification.
Reflect regulatory requirements and licensing	Yes	<p>Aviation maintenance is highly regulated by both CASA and DASA. Regulations are often based on International Civil Aviation Organisation (ICAO) requirements and are aligned with those of the European Aviation Safety Agency (EASA). For this reason, comprehensive advice is provided in the MEA CVIG on occupational and licensing requirements, with users advised to contact CASA or DASA as applicable for authoritative information on licensing requirements.</p> <p>In the CfE IBSA Manufacturing advised that where knowledge of legal and legislative requirements is needed to carry out a function it is specified in the unit of competency.</p> <p>With regard to the draft endorsed training component, the main focus of this project has been to revise MEA50219 <i>Diploma of Aeroskills (Mechanical)</i> to include all CASA B1 licence sub-categories. The qualification applies to workplaces that operate under the airworthiness regulatory systems of both CASA and DASA.</p>

Quality principle 3: Reflect national agreement about the core transferable skills and core job-specific skills required for job roles as identified by industry

Key features	Quality principle is met: Yes / No or N/A	Evidence demonstrating compliance with the quality principle Please see examples of evidence in the <i>Training Package Development and Endorsement Process Policy</i>
Reflect national consensus	Yes	The overall development and consultation process for the MEA Training Package review project is discussed in the CfE. The process allowed for engagement with industry and other stakeholders throughout the life of the project to inform the drafts prior to submission of the final product.
Recognise convergence and connectivity of skills	Yes	The MEA draft qualification features multi-skilled outcomes in the Aeroskills industry.

Quality principle 4: Be flexible to meet the diversity of individual and employer needs including the capacity to adapt to changing job roles and workplaces

Key features	Quality principle is met: Yes / No or N/A	Evidence demonstrating compliance with the quality principle Please see examples of evidence in the <i>Training Package Development and Endorsement Process Policy</i>
Meet the diversity of individual and employer needs	Yes	The MEA Aeroskills Training Package, R4 draft submission supports diversity. The CVIG provides advice on access and equity considerations including reasonable adjustment for learners with disabilities. Information regarding traineeships and apprenticeship pathways is on page 84, access and equity and reasonable adjustment information is on page 88.
Support equitable access and progression of learners	Yes	The MEA Aeroskills Training Package R4 CVIG notes that the Training Package includes national qualifications at Certificate II, Certificate III, Certificate IV, Diploma, and Advanced Diploma levels. This supports equitable access and progression of learners.

Quality principle 5: Facilitate recognition of an individual's skills and knowledge and support movement between the school, vocational education and higher education sectors

Key features	Quality principle is met: Yes / No or N/A	Evidence demonstrating compliance with the quality principle Please see examples of evidence in the <i>Training Package Development and Endorsement Process Policy</i>
Support learner transition between education sectors	Yes	<p>The MEA Aeroskills Training Package R4 CVIG notes that '<i>the Training Package provides national qualification outcomes based on recognition of competency achievement that may also provide articulation or credit transfer towards other qualifications. These qualifications can be accessed through traineeship and apprenticeship pathways, or through other pathways that do not involve a contract of training, such as recognition of prior learning.</i></p> <p><i>Alternative pathways exist in most qualifications, as shown in the qualification details, to align with industry and regulatory employment requirements.</i></p> <p><i>There are also pathways between qualifications that can lead to a career ranging from worker below trade-level through trade to licensing and/or higher-level employment as a supervisor, manager or paraprofessional engineer. Some qualifications fully articulate with higher level qualifications and others provide varying levels of credit transfer.'</i> Page 84 CVIG</p> <p>With regard to the qualification in this submission, as discussed in the Equity report, it would not be appropriate for there to be a direct pathway into the qualification from entry and preparatory level, or from entry level into work. The qualification is not intended to be used as a pathway into higher education.</p>

Quality principle 6: Support interpretation by training providers and others through the use of simple, concise language and clear articulation of assessment requirements

Key features	Quality principle is met: Yes / No or N/A	Evidence demonstrating compliance with the quality principle Please see examples of evidence in the <i>Training Package Development and Endorsement Process Policy</i>
Support implementation across a range of settings	Yes	The MEA Aeroskills qualification supports careers and skill development in the Aeroskills industry. Typical occupation outcomes advice is included in the MEA Aeroskills TP R4 CVIG (pages 81-83).
Support sound assessment practice	Yes	The MEA Aeroskills Training Package, R4 supports sound assessment practice in line with licensing requirements.
Support implementation	Yes	As discussed, the draft component in this submission addresses both CASA and DASA licensing and regulatory requirements, which supports implementation in a highly regulated industry.

Appendix F: Draft components for endorsement

MEA50219 Diploma of Aeroskills (Mechanical)

Qualification Description

The qualification applies to individuals seeking the grant of a Civil Aviation Safety Authority (CASA) B1 Aircraft Maintenance Engineer Licence covering the supervision, performance and certification of airframe, engine, electrical and structural maintenance on aircraft that are type-rated by CASA for maintenance purposes.

The qualification satisfies CASA requirements under Civil Aviation Safety Regulations (CASR) 1998, for the grant of Aircraft Maintenance Engineer Licences in sub-categories B1.1, B1.2, B1.3 and B1.4 when the knowledge and skills requirements align with CASA syllabus requirements in the Companion Volume Implementation Guide Interface with CASA, and training has been delivered in accordance with the requirements of CASR Part 147.

Credits are also provided towards the MEA50418 Diploma of Aviation Maintenance Management (Mechanical) and the MEA60218 Advanced Diploma of Aviation Maintenance Management (Mechanical).

Entry Requirements

Not applicable

Packaging Rules

To be awarded the MEA50219 Diploma of Aeroskills (Mechanical) competency must be demonstrated in **35 to 43** units, chosen as described below.

All B1 Licence sub-categories require the following 28 units:

- **11** core Diploma level (CASA licensing) common, technical stream and imported units
- **17** core Certificate IV common and technical stream units.

Depending on the CASA B1 Licence sub-category being sought, an additional **7 to 15** units are required. All units must be chosen as specified under the conditions set out below:

Group A elective technical stream units required by CASA for a B1.1 Licence – **13 or 15** units.

Group B Elective technical stream units required by CASA for a B1.2 licence – **13 or 14** units.

Group C Elective technical stream units required by CASA for a B1.3 Licence – **8** units.

Group D Elective technical stream units required by CASA for a B1.4 licence – **7** units.

Core units of competency

Complete the **11** Diploma level common and mechanical technical stream units listed below.

Unit code	Unit title	Prerequisites
MEA111	Perform administrative processes to prepare for the certification of civil aircraft maintenance	All Cert IV units listed below for applicable licence (see Note 1)
MEA112	Plan and implement civil aircraft maintenance activities	All Cert IV units listed below for applicable licence (see Note 1)
MEA113	Supervise civil aircraft maintenance activities and manage human resources in the workplace	All Cert IV units listed below for applicable licence (see Note 1)
MEA116	Apply work health and safety procedures at supervisor level in aviation maintenance	
MEA142	Manage self in the aviation maintenance environment	
MEA148	Apply mathematics and physics in aviation maintenance	
MEA323	Perform advanced troubleshooting in aircraft mechanical maintenance	All Cert IV units listed below for applicable licence (see Note 1)
MEA325	Weigh aircraft and perform aircraft weight and balance calculations as a result of modifications	All Cert IV units listed below for applicable licence (see Note 1)
MEA343	Remove and install avionic system components	MEA294 or MEA227
MEA365	Assess structural repair/modification requirements and evaluate structural repairs and modifications	All Cert IV units listed below for applicable licence (see Note 1)
MSMENV472	Implement and monitor environmentally sustainable work practices	

Note 1: While the above core units do not have specific prerequisite units, it is a CASA licensing requirement that competency not be sought until all of the Certificate IV units listed below for the applicable licence have been attained.

Plus the following **17** core Certificate IV common and avionic/mechanical technical stream units listed below which are mandatory for CASA B1 licence subcategories.

Unit code	Unit title	Prerequisites
MEA107	Interpret and use aviation maintenance industry manuals and specifications	
MEA118	Conduct self in the aviation maintenance environment	
MEA154	Apply work health and safety practices in aviation maintenance	
MEA155	Plan and organise aviation maintenance work activities	MEA154
MEA156	Apply quality standards during aviation maintenance activities	MEA154, MEA107
MEA157	Complete aviation maintenance industry documentation	
MEA158	Perform basic hand skills, standard trade practices and fundamentals in aviation maintenance	
MEA201	Remove and install miscellaneous aircraft electrical hardware/components	MEA154, MEA155 MEA156, MEA107 MEA157, MEA158
MEA203	Remove and install advanced aircraft electrical system components	MEA201
MEA246	Fabricate and/or repair aircraft electrical hardware or parts	MEA201, MEA296
MEA296	Use electrical test equipment in aviation maintenance activities	MEA154, MEA155 MEA156, MEA107 MEA157, MEA158
MEA301	Perform aircraft flight servicing	MEA154, MEA155 MEA156, MEA107 MEA157, MEA158
MEA303	Remove and install aircraft pneumatic system components	MEA154, MEA155 MEA156, MEA107 MEA157, MEA158
MEA306	Remove and install engines and engine system components	MEA398
MEA328	Maintain and/or repair aircraft mechanical components or parts	MEA398, MEA303
MEA339	Inspect, repair and maintain aircraft structures	MEA304 or MEA317
MEA398	Remove and install aircraft hydro-mechanical and landing gear system components	MEA154

Elective units of competency

Group A

To meet the criteria for the grant of a **B1.1** Licence complete **13** or **15** units listed below as specified in the unit selection guidelines in column 4.

Unit code	Unit title	Prerequisites	Unit selection guidance
MEA208	Remove and install aircraft pressurisation control system components	MEA201	
MEA209	Remove and install aircraft oxygen system components	MEA107, MEA154 MEA155 MEA156, MEA157, MEA158	
MEA219	Inspect, test and troubleshoot pressurisation control systems and components	MEA208, MEA246	
MEA222	Inspect, test and troubleshoot aircraft oxygen systems and components	MEA209	
MEA223	Inspect aircraft electrical systems and components	MEA203, MEA246	
MEA227	Test and troubleshoot aircraft electrical systems and components	MEA223	
MEA305	Remove and install aircraft fixed wing flight control system components	MEA398	
MEA307	Remove and install propeller systems and components	MEA107, MEA154, MEA155, MEA156, MEA157, MEA158	Mandatory for B1.1 where the rating sought includes propellers
MEA315	Inspect, test and troubleshoot propeller systems and components	MEA307	Mandatory unit for B1.1 where the rating sought includes propellers
MEA317	Remove and install pressurised aircraft structural and non-structural components	MEA398, MEA303	
MEA318	Inspect aircraft hydro-mechanical, mechanical, gaseous and landing gear systems and components	MEA303, MEA305, MEA398	
MEA319	Inspect gas turbine engine systems and components	MEA306	
MEA320	Test and troubleshoot aircraft hydro-mechanical, gaseous and landing gear systems and components	MEA318	

MEA321	Test and troubleshoot aircraft fixed wing flight control systems and components	MEA318	
MEA322	Test and troubleshoot gas turbine engine systems and components	MEA319	

Group B

To meet the criteria for a **B1.2** Licence complete **13** units listed below.

Unit code	Unit title	Prerequisites
MEA208	Remove and install pressurisation control system components	MEA201
MEA209	Remove and install aircraft oxygen system components	MEA107, MEA154 MEA155, MEA156 MEA157, MEA158
MEA219	Inspect, test and troubleshoot pressurisation control systems and components	MEA208, MEA246
MEA222	Inspect, test and troubleshoot aircraft oxygen systems and components	MEA209
MEA294	Inspect, test and troubleshoot advanced aircraft electrical systems and components	MEA203
MEA305	Remove and install aircraft fixed wing flight control system components	MEA398
MEA307	Remove and install propeller systems and components	MEA107, MEA154 MEA155, MEA156 MEA157, MEA158
MEA309	Inspect, test and troubleshoot aircraft hydro-mechanical and landing gear systems and components	MEA398
MEA310	Inspect, test and troubleshoot aircraft pneumatic systems and components	MEA303
MEA312	Inspect, test and troubleshoot aircraft fixed wing flight control systems and components	MEA305
MEA313	Inspect, test and troubleshoot piston engine systems and components	MEA306
MEA315	Inspect, test and troubleshoot propeller systems and components	MEA307
MEA317	Remove and install pressurised aircraft structural and non-structural components	MEA369 or MEA398 and MEA303

Group C

To meet the criteria for the grant of a **B1.3** Licence complete **8** units listed below.

Unit code	Unit title	Prerequisites
MEA294	Inspect, test and troubleshoot advanced aircraft electrical systems and components	MEA203
MEA304	Remove and install non-pressurised aircraft structural and non-structural components	MEA398
MEA308	Remove and install rotary wing rotor and flight control system components	MEA398
MEA309	Inspect, test and troubleshoot aircraft hydro-mechanical and landing gear systems and components	MEA398
MEA310	Inspect, test and troubleshoot aircraft pneumatic systems and components	MEA303
MEA316	Inspect, test and troubleshoot rotary wing rotor and control systems and components	MEA308
MEA319	Inspect gas turbine engine systems and components	MEA306
MEA322	Test and troubleshoot gas turbine engine systems and components	MEA319

Group D

To meet the criteria for a **B1.4** Licence complete **7** units listed below

Unit code	Unit title	Prerequisites
MEA294	Inspect, test and troubleshoot advanced aircraft electrical systems and components	MEA203
MEA304	Remove and install non-pressurised aircraft structural and non-structural components	MEA398
MEA308	Remove and install rotary wing rotor and flight control system components	MEA398
MEA309	Inspect, test and troubleshoot aircraft hydro-mechanical and landing gear systems and components	MEA398
MEA310	Inspect, test and troubleshoot aircraft pneumatic systems and components	MEA303
MEA313	Inspect, test and troubleshoot piston engine systems and components	MEA306
MEA316	Inspect, test and troubleshoot rotary wing rotor and control systems and components	MEA308

Qualification Mapping Information

No equivalent qualification.

Links

Companion Volume implementation guides are found in VETNet -

<https://vetnet.education.gov.au/Pages/TrainingDocs.aspx?docId=ce216c9c-04d5-4b3b-9bcf-4e81d0950371&n=Aeroskills%20Training%20Package>