



Australian Government

MSM41015 Certificate IV in Recreational Vehicles

Release 1

MSM41015 Certificate IV in Recreational Vehicles

Modification History

Release 1. Supersedes and is equivalent to MSA40510 Certificate IV in Recreational Vehicles.

Qualification Description

The MSM41015 Certificate IV in Recreational Vehicles has been developed as a post-trade level qualification. People with this qualification would be expected to lead work teams and provide supervision of people undertaking the manufacture, service and repair of recreational vehicles, including:

- motor homes
- caravans
- camper trailers
- slide-ons
- fifth wheelers

to meet Australian requirements, such as road worthiness and the Australian Design Rule (ADR). They will provide technical leadership as well as undertake some tasks themselves.

They may work in a service and repair facility or a manufacturer's factory. Work may include building a new recreational vehicle, repairs for an insurance claim or other repairs, modifying an existing recreational vehicle or undertaking routine servicing.

They may work in a large manufacturing organisation or a small workshop.

There are no specific licences that relate to this qualification. However, some units in this qualification may have licensing or regulatory requirements depending on the work context. Local regulations should be checked for details.

Entry Requirements

There are no entry requirements for this qualification.

Packaging Rules

To be awarded the MSM41015 Certificate IV in Recreational Vehicles, competency must be achieved in thirty-two (32) units of competency:

- **three (3)** core units of competency
- **twenty-nine (29)** elective units of competency, as specified below:
 - a minimum of **two (2)** units of competency must be selected from Group A
 - a maximum of **fourteen (14)** units of competency may be selected from Group C and D, with a maximum of **six (6)** from Group D
 - the balance of units, must be selected from Groups A and B to bring the total to twenty-nine (29).

Note: Up to **seven (7)** elective units of competency may be selected from this Training Package, other endorsed Training Packages and accredited courses, as specified in Groups A, B, C and D.

Note: Where prerequisite units are identified they must be counted in the total number of units required for achievement of the qualification.

<p>Core units</p> <p>Complete all three (3) units from the following list.</p>		
Unit code	Unit title	
MSMENV272	Participate in environmentally sustainable work practices	
MSMSUP102	Communicate in the workplace	
MSMWHS200	Work safely	
<p>ELECTIVE UNITS</p> <p>Group A Elective units</p> <p>Select a minimum of two (2) units from the following list.</p>		
Unit code	Unit title	Prerequisites
AURATA3005	Estimate complex jobs	
AURANN4001	Prepare a vehicle repair quotation	

AURV365356A	Read and interpret vehicle body repair estimation/quotation	
AURVTN4032	Determine vehicle body damage and recommend repair procedures	
MEM03006B	Set assembly stations	MEM03001B MEM18001C MEM03003B MEM18002B MEM03004B
MEM16012A	Interpret technical specifications and manuals	
MSMRVS401	Assess and quote to service a recreational vehicle	
<p>Up to one (1) relevant Group A elective unit of competency may be selected from this Training Package, other endorsed Training Packages and accredited courses, where it is available for inclusion at Certificate IV qualification.</p>		
<p>Group B - Elective units</p>		
Unit code	Unit title	Prerequisites
AUMGTT001	Apply trim to vehicle components	
AURETR2015	Inspect and service batteries	
AURETR2012	Test and repair basic electrical circuits	
AURETB3001	Repair electric braking systems	
AURTTB2001	Inspect and service braking systems	
AURTTD2004	Inspect and service suspension systems	
AURTTJ2002	Remove and refit wheel hubs and associated brake components	
AURTTA3017	Carry out vehicle safety and roadworthy	

	inspection	
AURVTS3004	Repair fibreglass and composite material components	
AURTTY3001	Repair chassis, frame and associated components	
AURVTT3015	Fabricate canvas products	
AURVTT3016	Fabricate frame structures	
AURVTT3019	Fabricate and install canopies and curtains	
CPCPCM2043A	Carry out WHS requirements	
CPCPGS3046A	Install LPG systems in caravans, mobile homes and mobile workplaces	CPCPCM2043A
MEM03001B	Perform manual production assembly	
MEM05005B	Carry out mechanical cutting	MEM12023A MEM18001C
MEM05012C	Perform routine manual metal arc welding	
MEM05050B	Perform routine gas metal arc welding	
MEM07024B	Operate and monitor machine/process	
MEM07028B	Operate computer controlled machines/processes	MEM07024B
MEM10002B	Terminate and connect electrical wiring	MEM09002B MEM12002B MEM18001C
MEM12002B	Perform electrical/electronic measurement	
MEM12023A	Perform engineering measurements	
MEM18038B	Maintain wheels and tyres	MEM18001
MEM18045B	Fault find/repair electrical equipment/components up to 250 volts single phase supply	MEM09002B MEM10002B MEM12002B MEM12023A

		MEM18001C MEM18002B
MSMOPS101	Make measurements	
MSMRV310	Fit recreational vehicle floor	
MSMRV311	Fit furniture in a recreational vehicle	
MSMRV312	Fit water systems in a recreational vehicle	
MSMRV313	Fit 12 V cable systems in a recreational vehicle	
MSMRV314	Construct and fit roof to a recreational vehicle	
MSMRV315	Construct and fit slide out in a recreational vehicle	
MSMRV316	Fit appliances in a recreational vehicle	
MSMRV317	Install solar equipment on a recreational vehicle	
MSMRV318	Fit cladding to a recreational vehicle	
MSMRV319	Fit front and rear moulds to a recreational vehicle	
MSMRV320	Fit windows and doors to a recreational vehicle	
MSMRV321	Fit required external items to a recreational vehicle	
MSMRV322	Fit required external electrical components to a recreational vehicle	
MSMRV323	Fit required internal items to a recreational vehicle	
MSMRV324	Conduct final quality inspection for a recreational vehicle	
MSMRV325	Fabricate a chassis and suspension for a recreational vehicle	
MSMRV365	Remove and refit body moulding	
MSMRV366	Fit transfers and decals to a recreational vehicle	

MSMRVS202	Repair/service LPG systems in a recreational vehicle	
<p>Up to two (2) relevant Group B elective units of competency may be selected from this Training Package, other endorsed Training Packages and accredited courses, where they are available for inclusion at Certificate III qualification.</p>		
<p>Group C Elective units</p>		
Unit code	Unit title	Prerequisites
MEM13002B	Undertake occupational health and safety activities in the workplace	
MEM13010A	Supervise occupational health and safety in an industrial work environment	MEM13002B
MEM14001B	Schedule material deliveries	
MEM14002B	Undertake basic process planning	
MEM14003B	Undertake basic production scheduling	
MEM16002C	Conduct formal interviews and negotiations	
MEM16006A	Organise and communicate information	
MEM30013A	Assist in the preparation of a basic workplace layout	
MSMENV472	Implement and monitor environmentally sustainable work practices	
MSMSUP200	Achieve work outcomes	
MSMSUP383	Facilitate a team	
MSMSUP390	Use structured problem-solving tools	
MSS402002A	Sustain process improvements	
MSS402081A	Contribute to the application of a proactive maintenance strategy	

MSS403002A	Ensure process improvements are sustained	
MSS403011A	Facilitate implementation of competitive systems and practices	
MSS403021A	Facilitate a Just in Time system	
MSS403040A	Facilitate and improve implementation of 5S	
MSS403041A	Facilitate breakthrough improvements	
MSS403051A	Mistake proof an operational process	
MSS404082A	Assist in implementing a proactive maintenance strategy	
<p>Up to two (2) relevant Group C elective units of competency may be selected from this Training Package, other endorsed Training Packages and accredited courses, where they are available for inclusion at Certificate IV qualification.</p>		
<p>Group D Elective units</p>		
Unit code	Unit title	Prerequisites
MEM09002B	Interpret technical drawing	
MEM11010B	Operate mobile load shifting equipment	
MEM14004A	Plan to undertake a routine task	
MEM15024A	Apply quality procedures	
MEM18001C	Use hand tools	
MEM18002B	Use power tools/hand held operations	
MSMOPS102	Perform tasks to support production	
MSMOPS200	Operate equipment	
MSMOPS212	Use organisation computers or data systems	
MSMPER200	Work in accordance with an issued permit	

MSMRVT201	Apply technical knowledge of recreational vehicle manufacturing to work activities	
MSMSUP100	Apply workplace context to own job	
MSMSUP101	Clean workplace or equipment	
MSMSUP106	Work in a team	
MSMSUP240	Undertake minor maintenance	
MSMSUP273	Handle goods	
MSMSUP280	Manage conflict at work	
MSMSUP291	Participate in continuous improvement	
MSMWHS110	Follow emergency response procedures	
MSMWHS205	Control minor incidents	
MSS402021A	Apply Just in Time procedures	
MSS402040A	Apply 5S procedures	
MSS402080A	Undertake root cause analysis	
PMBHAN103C	Shift materials safely by hand	
TLID2010	Operate a forklift	
<p>Up to two (2) relevant Group D elective units of competency may be selected from this Training Package, other endorsed Training Packages and accredited courses, where they are available for inclusion at Certificate II or III qualification.</p>		

Qualification Mapping Information

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Links

MSA Training Package Implementation Guides - <http://mskills.org.au/training-packages/info/>