

Training package details



AUM08 - Automotive Manufacturing

Summary

Releases:

Release	Status	Release date	Approval process
1.1	Current	2008/09/01	Endorsement date: 2008/09/01

Usage recommendation: **Superseded**

Training Package Developer

Organisation: **Mining and Automotive Skills Alliance**

Web address: <https://ausmasa.org.au/>

Mapping information

Mapping	Notes	Date
Is superseded by and equivalent to AUM12 - Automotive Manufacturing		2012/06/29
Supersedes AUM00 - Automotive Industry Manufacturing Training Package (Superseded by AUM08)		2008/09/01

Training package components

Qualifications

Code		Title	Usage	Release
AUM10108		Certificate I in Automotive Manufacturing (Passenger Motor Vehicle)	Superseded	1
AUM20108		Certificate II in Automotive Manufacturing (Passenger Motor Vehicle)	Superseded	1
AUM25108		Certificate II in Automotive Manufacturing (Bus/Truck/Trailer)	Superseded	1
AUM30108		Certificate III in Automotive Manufacturing - Manufacturing Specialist (Passenger Motor Vehicle)	Superseded	1
AUM35108		Certificate III in Automotive Manufacturing (Bus/Truck/Trailer)	Superseded	1
AUM40108		Certificate IV in Automotive Manufacturing - Automotive Development (Passenger Motor Vehicle)	Superseded	1
AUM45108		Certificate IV in Automotive Manufacturing (Bus/Truck/Trailer)	Superseded	1
AUM50108		Diploma of Automotive Manufacturing - Automotive Development (Passenger Motor Vehicle)	Superseded	1

Skill sets

Code		Title	Release
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Units of competency

Code		Title	Usage	Release
AUM1001A		Manage personal career goals	Superseded	1
AUM1002A		Select and use tools and equipment in an automotive manufacturing environment	Superseded	1
AUM2001B		Monitor and maintain a safe workplace and environment	Superseded	1
AUM2002B		Receive and dispatch materials, equipment and tools	Superseded	1
AUM2003B		Prepare and process materials and components	Superseded	1
AUM2004B		Prepare and use/operate equipment, tools and/or machinery	Superseded	1
AUM2005B		Monitor and maintain continuous improvement of systems and processes	Superseded	1

Training package details



Code	Title	Usage	Release
AUM2006B	Monitor and maintain equipment, tools and machinery	Superseded	1
AUM2007B	Manage personal workplace	Superseded	1
AUM2008B	Maintain effective workplace relationships	Superseded	1
AUM2009B	Work effectively with others in teams	Superseded	1
AUM2901B	Develop and produce documentation and procedures	Superseded	1
AUM3003B	Document designs	Superseded	1
AUM3020A	Influence and lead work groups in an automotive manufacturing environment	Superseded	1
AUM3021A	Sustain quality standards	Superseded	1
AUM3022A	Reduce cycle time in work processes	Superseded	1
AUM3023A	Reduce waste in work processes	Superseded	1
AUM3024A	Undertake preliminary fault finding and machine reset	Superseded	1
AUM3025A	Apply visual factory principles and practices to an automotive manufacturing environment	Superseded	1
AUM3026A	Maintain a safe automotive manufacturing work environment	Superseded	1
AUM3401B	Plan and organise production	Superseded	1
AUM4001A	Analyse a test vehicle for research purposes	Superseded	1
AUM4002A	Provide technical advice	Superseded	1
AUM4004A	Use measuring equipment	Superseded	1
AUM4005A	Use sensors to acquire motor vehicle data for development purposes	Superseded	1
AUM4006A	Calibrate measuring equipment in Automotive Development	Superseded	1
AUM4007A	Test plant, tooling, equipment, product or systems	Superseded	1
AUM4008A	Install plant equipment or systems	Superseded	1
AUM4009A	Maintain plant, tooling, equipment or systems	Superseded	1
AUM4010A	Repair plant, tooling, equipment or systems	Superseded	1
AUM4011A	Manufacture or modify plant, tooling, equipment or systems	Superseded	1
AUM4012A	Apply quality assurance techniques	Superseded	1
AUM4013A	Interpret manuals, drawings and/or circuits for plant, tooling, equipment or systems	Superseded	1
AUM4014A	Program and monitor computerised equipment	Superseded	1
AUM5001A	Coordinate project activities	Superseded	1
AUM5002A	Establish a test/trial for components of plant, tooling, equipment, product or systems	Superseded	1
AUM5003A	Create new product designs	Superseded	1
AUM5004A	Produce research reports	Superseded	1
AUM5005A	Develop conceptual models and prototypes	Superseded	1
AUM5006A	Seek, evaluate, organise and prepare information	Superseded	1
AUM5301B	Produce drawings manually	Superseded	1
AUM5403B	Produce computer-aided drawings (CAD)	Superseded	1
AUM8001B	Contribute to workplace relationships and processes	Superseded	1
AUM8011B	Provide customer service	Superseded	1
AUM8012B	Prepare and document quotation	Superseded	1
AUM8013A	Participate in workplace productivity	Superseded	1
AUM8021B	Inspect work and apply organisation technical quality standards	Superseded	1
AUM8031B	Receive and store parts	Deleted	1

Training package details



Code	Title	Usage	Release
AUM8032B	Control stock	Superseded	1
AUM8033B	Select and dispatch parts	Deleted	1
AUM8041B	Prepare materials for fabrication using jigs/ fixtures	Superseded	1
AUM8042B	Prepare materials for fabrication using manual processes	Superseded	1
AUM8043B	Read and interpret working drawings and work orders	Superseded	1
AUM8044B	Read and interpret engineering drawings and job specifications	Superseded	1
AUM8051B	Conduct basic welding, thermal cutting, heating and gouging operations	Superseded	1
AUM8052B	Conduct mechanical cutting operations	Superseded	1
AUM8053B	Perform manual metal arc welding operations (MMAW)	Superseded	1
AUM8054B	Perform submerged arc welding operations (SAW)	Deleted	1
AUM8055B	Perform oxy acetylene welding operations (OAW)	Deleted	1
AUM8056B	Perform gas tungsten arc welding operations (GTAW)	Superseded	1
AUM8057B	Perform gas metal arc welding operations (GMAW)	Superseded	1
AUM8061B	Fabricate plugs	Superseded	1
AUM8062B	Stamp and press parts	Superseded	1
AUM8063B	Fabricate parts for sub-assemblies	Superseded	1
AUM8064B	Machine parts	Superseded	1
AUM8071B	Finish surfaces for painting	Superseded	1
AUM8072B	Paint chassis or panels	Superseded	1
AUM8073B	Control oven baking cycle	Deleted	1
AUM8074B	Rework paint faults	Superseded	1
AUM8081B	Apply trim to components	Superseded	1
AUM8082B	Assemble components	Superseded	1
AUM8083B	Assemble frame and axle	Superseded	1
AUM8084B	Install engine and drive train	Superseded	1
AUM8085B	Mount and install assembled component to chassis or frame	Superseded	1
AUM8086B	Service after assembly	Superseded	1
AUM8087B	Assemble and install hydraulic system kit	Superseded	1
AUM8088B	Assemble and install pneumatic system kit	Superseded	1
AUM8089B	Assemble and install braking system kit	Superseded	1
AUM8090B	Install fixed and moveable glass components	Superseded	1
AUM8091B	Install or replace mechanical units/ assemblies	Superseded	1
AUM8092B	Install/fit out components	Superseded	1
AUM8093B	Test, service and replace battery	Deleted	1
AUM8094B	Install or replace electrical/electronic units/assemblies	Superseded	1
AUM8095B	Perform wheel alignment operations	Superseded	1
AUM8101B	Modify or rectify chassis/frame and associated components	Superseded	1
AUM8102B	Manufacture or modify wiring harnesses	Superseded	1
AUM8103B	Rectify/replace vehicle body panels and ancillary fittings	Superseded	1
AUM8104B	Bond/repair components using fibreglass reinforced plastic techniques	Superseded	1
AUM8105B	Perform minor modifications/repairs to electrical circuits/systems	Superseded	1
AUM8111B	Perform forklift driving and lifting operations	Superseded	1
AUM8112B	Operate load shifting equipment	Superseded	1

Training package details



Code	Title	Usage	Release
AUM8121B	Conduct final inspections and functional tests	Superseded	1
AUM8122B	Conduct simulated or road performance test	Superseded	1
AUM8123B	Conduct welding inspection	Superseded	1
AUM8131B	Install and commission air conditioning system kit	Deleted	1
AUM8132B	Install and commission refrigeration system kit	Deleted	1
AUM8133B	Remove and replace air conditioning system	Deleted	1
AUM8134B	Remove and replace refrigeration system	Deleted	1
AUM8141B	Prepare new product designs	Superseded	1
AUMNT3001B	Rectify faults in vehicle metal components	Superseded	1
AUMNT3002B	Rectify paintwork	Superseded	1
AUMNT3003B	Control paint line production processes	Superseded	1
AUMNT3004B	Conduct engine hot test	Superseded	1
AUMNT3005B	Rework production engines	Superseded	1
AUMNT3006B	Rectify mechanical faults on assembled vehicles	Superseded	1
AUMNT3007B	Rectify electrical faults on assembled vehicles	Superseded	1
AUMNT3008B	Rectify assembly faults in assembled vehicles	Superseded	1
AUMNT3009B	Conduct die coating	Superseded	1
AUMNT3010B	Conduct structural rectification of vehicle bodies	Superseded	1
AUMNT3011B	Test welds ultrasonically	Superseded	1
AUMNT3012B	Conduct tool setting	Superseded	1
AUMNT3013B	Monitor and maintain metals treatment plant operations	Superseded	1

Imported units of competency

Code	Title	Usage	Release	Belongs to training package
AURE224008A	Carry out soldering of electrical wiring/circuits	Superseded	1	Automotive Industry Retail, Service and Repair Training Package (AUR05)
AURM441293A	Analyse and repair complex performance driveline systems	Superseded	1	Automotive Industry Retail, Service and Repair Training Package (AUR05)
AURM441393A	Analyse and repair complex performance fuel systems	Deleted	1	Automotive Industry Retail, Service and Repair Training Package (AUR05)
AURM441976A	Test engines using a dynamometer	Superseded	1	Automotive Industry Retail, Service and Repair Training Package (AUR05)
AURT211170A	Inspect and service air braking systems	Superseded	1	Automotive Industry Retail, Service and Repair Training Package (AUR05)
AURT216130A	Inspect suspension systems	Superseded	1	Automotive Industry Retail, Service and Repair Training Package (AUR05)
AURT216170A	Inspect and service suspension systems	Superseded	1	Automotive Industry Retail, Service and Repair Training Package (AUR05)
AURT311166A	Repair air braking systems	Superseded	1	Automotive Industry Retail, Service and Repair Training Package (AUR05)
AURT411145A	Overhaul air braking systems/components	Superseded	1	Automotive Industry Retail, Service and Repair Training Package (AUR05)
AURT466208A	Carry out diagnosis of complex system faults	Superseded	1	Automotive Industry Retail, Service and Repair Training Package (AUR05)
AURT477093A	Analyse and evaluate gas fuel system faults	Superseded	1	Automotive Industry Retail, Service and Repair Training Package (AUR05)
AURT570093A	Analyse and evaluate light vehicle steering and suspension system faults	Superseded	1	Automotive Industry Retail, Service and Repair Training Package (AUR05)

Training package details



Code		Title	Usage	Release	Belongs to training package
AURT570193A		Analyse and evaluate light vehicle driveline system faults	Superseded	1	Automotive Industry Retail, Service and Repair Training Package (AUR05)
AURT570293A		Analyse and evaluate light vehicle engine and fuel system faults	Superseded	1	Automotive Industry Retail, Service and Repair Training Package (AUR05)
AURT570393A		Analyse and evaluate light vehicle braking system faults	Superseded	1	Automotive Industry Retail, Service and Repair Training Package (AUR05)
AURT575093A		Analyse and evaluate electrical and electronic faults in stability/steering/suspension systems	Superseded	1	Automotive Industry Retail, Service and Repair Training Package (AUR05)
AURT575193A		Analyse and evaluate electrical and electronic faults in electric over hydraulic systems	Superseded	1	Automotive Industry Retail, Service and Repair Training Package (AUR05)
AURT575293A		Analyse and evaluate electrical and electronic faults in engine management systems	Superseded	1	Automotive Industry Retail, Service and Repair Training Package (AUR05)
AURT575393A		Analyse and evaluate electrical and electronic faults in transmission/driveline systems	Superseded	1	Automotive Industry Retail, Service and Repair Training Package (AUR05)
AURT575493A		Analyse and evaluate electrical and electronic faults in braking systems	Superseded	1	Automotive Industry Retail, Service and Repair Training Package (AUR05)
AURT575593A		Analyse and evaluate electrical and electronic faults in safety systems	Superseded	1	Automotive Industry Retail, Service and Repair Training Package (AUR05)
AURT575693A		Analyse and evaluate electrical and electronic faults in monitoring/protection systems	Superseded	1	Automotive Industry Retail, Service and Repair Training Package (AUR05)
AURT575893A		Analyse and evaluate electrical and electronic faults in convenience and entertainment systems	Superseded	1	Automotive Industry Retail, Service and Repair Training Package (AUR05)
AURT575993A		Analyse and evaluate electrical and electronic faults in theft deterrent systems	Superseded	1	Automotive Industry Retail, Service and Repair Training Package (AUR05)
AURT576093A		Analyse and evaluate electrical and electronic faults in electric and hybrid vehicle systems	Superseded	1	Automotive Industry Retail, Service and Repair Training Package (AUR05)
AURT576193A		Analyse and evaluate electrical and electronic faults in climate control systems	Superseded	1	Automotive Industry Retail, Service and Repair Training Package (AUR05)
AURT576520A		Develop and apply electrical systems modification	Superseded	1	Automotive Industry Retail, Service and Repair Training Package (AUR05)
AURT576620A		Develop and apply electronic systems modification	Superseded	1	Automotive Industry Retail, Service and Repair Training Package (AUR05)
AURT577120A		Develop and apply gas fuel systems modification	Superseded	1	Automotive Industry Retail, Service and Repair Training Package (AUR05)
AURT577520A		Prepare technical reports	Superseded	1	Automotive Industry Retail, Service and Repair Training Package (AUR05)
BSBCMM101A		Apply basic communication skills	Superseded	1	Business Services Training Package (BSB07)

Training package details



Code		Title	Usage	Release	Belongs to training package
BSBCMN311B		Maintain workplace safety	Superseded	1	Business Services Training Package (BSB07)
BSBDIV301A		Work effectively with diversity	Superseded	1	Business Services Training Package (BSB07)
BSBINM301A		Organise workplace information	Superseded	1	Business Services Training Package (BSB07)
BSBINM302A		Utilise a knowledge management system	Superseded	1	Business Services Training Package (BSB07)
BSBINN301A		Promote innovation in a team environment	Superseded	1	Business Services Training Package (BSB07)
BSBOHS401B		Contribute to the implementation of a systematic approach to managing OHS	Superseded	1	Business Services Training Package (BSB07)
BSBOHS501B		Participate in the coordination and maintenance of a systematic approach to managing OHS	Superseded	1	Business Services Training Package (BSB07)
BSBPMG403A		Apply cost management techniques	Superseded	1	Business Services Training Package (BSB07)
BSBPMG501A		Manage application of project integrative processes	Superseded	1	Business Services Training Package (BSB07)
BSBPMG504A		Manage project costs	Superseded	1	Business Services Training Package (BSB07)
BSBPMG508A		Manage project risk	Superseded	1	Business Services Training Package (BSB07)
BSBRKG304B		Maintain business records	Superseded	1	Business Services Training Package (BSB07)
BSBRSK401A		Identify risk and apply risk management processes	Superseded	1	Business Services Training Package (BSB07)
BSBWOR502A		Ensure team effectiveness	Superseded	1	Business Services Training Package (BSB07)
ICAU1204B		Locate and use relevant on-line information	Superseded	1	Information and Communications Technology Training Package (ICA05)
MEM13014A		Apply principles of occupational health and safety in the work environment	Superseded	1	Metal and Engineering Training Package (MEM05)
MSACMC210A		Manage the impact of change on own work	Superseded	1	Manufacturing Training Package (MSA07)
MSACMC410A		Lead change in a manufacturing environment	Superseded	1	Manufacturing Training Package (MSA07)
MSACMS200A		Apply competitive manufacturing practices	Superseded	1	Manufacturing Training Package (MSA07)
MSACMS201A		Sustain process improvements	Superseded	1	Manufacturing Training Package (MSA07)
MSACMS401A		Ensure process improvements are sustained	Superseded	1	Manufacturing Training Package (MSA07)
MSACMT220A		Apply quick changeover procedures	Superseded	1	Manufacturing Training Package (MSA07)
MSACMT230A		Apply cost factors to work practices	Superseded	1	Manufacturing Training Package (MSA07)
MSACMT231A		Interpret product costs in terms of customer requirements	Superseded	1	Manufacturing Training Package (MSA07)
MSACMT250A		Monitor process capability	Superseded	1	Manufacturing Training Package (MSA07)
MSACMT251A		Apply quality standards	Superseded	1	Manufacturing Training Package (MSA07)
MSACMT260A		Use planning software systems in manufacturing	Superseded	1	Manufacturing Training Package (MSA07)

Training package details



Code		Title	Usage	Release	Belongs to training package
MSACMT261A		Use SCADA systems in manufacturing	Superseded	1	Manufacturing Training Package (MSA07)
MSACMT280A		Undertake root cause analysis	Superseded	1	Manufacturing Training Package (MSA07)
MSACMT421A		Facilitate a Just in Time (JIT) system	Superseded	1	Manufacturing Training Package (MSA07)
MSACMT430A		Improve cost factors in work practices	Superseded	1	Manufacturing Training Package (MSA07)
MSACMT432A		Analyse manual handling processes	Superseded	1	Manufacturing Training Package (MSA07)
MSACMT440A		Lead 5S in a manufacturing environment	Superseded	1	Manufacturing Training Package (MSA07)
MSACMT450A		Undertake process capability improvements	Superseded	1	Manufacturing Training Package (MSA07)
MSACMT451A		Mistake proof a production process	Superseded	1	Manufacturing Training Package (MSA07)
MSACMT452A		Apply statistics to processes in manufacturing	Superseded	1	Manufacturing Training Package (MSA07)
MSACMT460A		Facilitate the use of planning software systems in manufacturing	Superseded	1	Manufacturing Training Package (MSA07)
MSACMT461A		Facilitate SCADA systems in a manufacturing team or work area	Superseded	1	Manufacturing Training Package (MSA07)
MSACMT481A		Undertake proactive maintenance analyses	Superseded	1	Manufacturing Training Package (MSA07)
MSACMT482A		Assist in implementing a proactive maintenance strategy	Superseded	1	Manufacturing Training Package (MSA07)
MSAENV272B		Participate in environmentally sustainable work practices	Superseded	1	Manufacturing Training Package (MSA07)
MSAENV472B		Implement and monitor environmentally sustainable work practices	Superseded	1	Manufacturing Training Package (MSA07)
MSAENV672B		Develop workplace policy and procedures for environmental sustainability	Superseded	1	Manufacturing Training Package (MSA07)
MSAPMSUP390A		Use structured problem solving tools	Superseded	1	Manufacturing Training Package (MSA07)
MSL924002A		Use laboratory application software	Superseded	1	Laboratory Operations Training Package (MSL09)
MSL973001A		Perform basic tests	Superseded	1	Laboratory Operations Training Package (MSL09)
MSL973007A		Perform microscopic examination	Superseded	1	Laboratory Operations Training Package (MSL09)
TLIA1707C		Apply product knowledge to organise work operations	Superseded	1	Transport and Logistics Training Package (Superseded by TLI10) (TLI07)
TLIA2307C		Coordinate stocktakes	Superseded	1	Transport and Logistics Training Package (Superseded by TLI10) (TLI07)
TLIA2807C		Assess and monitor optimum stock levels	Superseded	1	Transport and Logistics Training Package (Superseded by TLI10) (TLI07)
TLID3607C		Lift and move load using mobile crane up to and including 20 tonnes	Superseded	1	Transport and Logistics Training Package (Superseded by TLI10) (TLI07)