

MSM Manufacturing Training Package

Version 2.00

WA NOMINAL HOURS GUIDE

Introduction

This Guide has been generated to enable the stakeholders in this Industry in Western Australia to participate in the managed implementation of the National MSM Manufacturing Training Package.

This Guide is designed to aid Registered Training Organisations (RTOs) to convert from existing Training Package qualifications to new Training Package qualifications within the scope of their training delivery.

The Guide should be read in conjunction with the endorsed components of the Training Package

Version 2.00 of the MSM Manufacturing Training Package was released by Training.Gov.Au (TGA) on the 02/06/2016

Transition Arrangements

Registered Training Organisations (RTOs) are required to deliver Training Package qualifications in accordance with the Standards for RTOs. For further information visit the Training Accreditation Council website www.tac.wa.gov.au

Nominal Hours

Nominal hours are the hours of training notionally required to achieve the outcomes of units of competency.

Nominal hours are identified for nationally endorsed qualifications. Nominal hours may vary for a qualification depending on the selection of units of competency.

In Western Australia, nominal hours are used as a mechanism for funding allocation.

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Qualifications and Nominal Hours

The following table provides a summary of the qualifications and nominal hours in the industry.

National Code	National Title	Nominal Hours
MSM10116	Certificate I in Process Manufacturing	288
MSM10216	Certificate I in Manufacturing (Pathways)	270
MSM20116	Certificate II in Process Manufacturing	427
MSM20216	Certificate II in Manufacturing Technology	356
MSM21015	Certificate II in Recreational Vehicle Service and Repair	331
MSM21115	Certificate II in Recreational Vehicle Manufacturing	372
MSM30116	Certificate III in Process Manufacturing	558
MSM30216	Certificate III in Surface Preparation and Coating Application	731
MSM31015	Certificate III in Recreational Vehicle Service and Repair	447
MSM31115	Certificate III in Recreational Vehicle Manufacturing	516
MSM31215	Certificate III in Recreational Vehicle and Accessories Retailing	520
MSM40116	Certificate IV in Process Manufacturing	910
MSM41015	Certificate IV in Recreational Vehicles	744
MSM41115	Certificate IV in Recreational Vehicle and Accessories Retailing	823
MSM50316	Diploma of Production Management	496
MSM51015	Diploma of Recreational Vehicles	286

Units of Competency and Nominal Hours

The following table provides a summary of the units of competency and nominal hours in the industry.

National Code	National Title	Nominal Hours
MSMBLIC001	Licence to operate a standard boiler	40
MSMBLIC002	Licence to operate an advanced boiler	60
MSMENV172	Identify and minimise environmental hazards	20
MSMENV272	Participate in environmentally sustainable work practices	20
MSMENV472	Implement and monitor environmentally sustainable work practices	40
MSMENV672	Develop workplace policy and procedures for environmental sustainability	50
MSMOPS100	Use equipment	30
MSMOPS101	Make measurements	20
MSMOPS102	Perform tasks to support production	30
MSMOPS200	Operate equipment	40
MSMOPS201	Cut polymer materials	20
MSMOPS202	Fabricate polymer products	40
MSMOPS212	Use organisation computers or data systems	26
MSMOPS244	Lay out and cut materials	30
MSMOPS301	Treat corrosion	20
MSMOPS363	Organise on-site work	30
MSMOPS400	Optimise process/plant area	60
MSMOPS401	Trial new process or product	26
MSMOPS601	Design equipment and system modifications	70
MSMPCI101	Adapt to work in industry	18
MSMPCI102	Apply effective work practices	18
MSMPCI103	Demonstrate care and apply safe practices at work	18
MSMPCII295	Operate manufacturing equipment	40

MSMPCII296	Make a small furniture item from timber	40
MSMPCII297	Make an object from cloth using an existing pattern	40
MSMPCII298	Make an object from metal	40
MSMPCII299	Make an object from plastic	40
MSMPER200	Work in accordance with an issued permit	20
MSMPER201	Monitor and control work permits	20
MSMPER202	Observe permit work	20
MSMPER205	Enter confined space	30
MSMPER300	Issue work permits	20
MSMPER400	Coordinate permit process	30
MSMRV310	Fit recreational vehicle floor	35
MSMRV311	Fit furniture in a recreational vehicle	25
MSMRV312	Fit water systems in a recreational vehicle	16
MSMRV313	Fit 12 V cable systems in a recreational vehicle	20
MSMRV314	Construct and fit roof to a recreational vehicle	20
MSMRV315	Construct and fit slide out in a recreational vehicle	25
MSMRV316	Fit appliances in a recreational vehicle	25
MSMRV317	Install solar equipment on a recreational vehicle	20
MSMRV318	Fit cladding to a recreational vehicle	20
MSMRV319	Fit front and rear moulds to a recreational vehicle	10
MSMRV320	Fit windows and doors to a recreational vehicle	25
MSMRV321	Fit required external items to a recreational vehicle	20
MSMRV322	Fit required external electrical components to a recreational vehicle	20
MSMRV323	Fit required internal items to a recreational vehicle	15
MSMRV324	Conduct final quality inspection for a recreational vehicle	20
MSMRV325	Fabricate a chassis and suspension for a recreational vehicle	40
MSMRV350	Remove and replace a recreational vehicle roof	20
MSMRV351	Remove and replace a recreational vehicle floor	35

MSMRV352	Remove and replace a recreational vehicle sidewall cladding	20
MSMRV353	Remove and replace a recreational vehicle shower cubicle	24
MSMRV354	Remove and replace a recreational vehicle shower walls	24
MSMRV355	Remove and replace a camper/pop-top roof	20
MSMRV356	Remove and replace gas struts and roof lifting equipment on a recreational vehicle	10
MSMRV357	Remove and replace external components of a recreational vehicle	20
MSMRV358	Modify the body of a recreational vehicle	35
MSMRV359	Install additional appliances in a recreational vehicle	20
MSMRV360	Service camper wind up systems	10
MSMRV361	Repair dry rot in a recreational vehicle	25
MSMRV362	Install and repair battery systems in a recreational vehicle	15
MSMRV363	Complete pre-delivery check of a recreational vehicle	15
MSMRV364	Hand over a recreational vehicle to a customer	15
MSMRV365	Remove and refit body moulding	10
MSMRV366	Fit transfers and decals to a recreational vehicle	10
MSMRVG201	Tow a recreational vehicle safely	10
MSMRVS202	Repair/service LPG systems in a recreational vehicle	25
MSMRVS401	Assess and quote to service a recreational vehicle	35
MSMRVT201	Apply technical knowledge of recreational vehicle manufacturing to work activities	20
MSMSUP100	Apply workplace context to own job	26
MSMSUP101	Clean workplace or equipment	26
MSMSUP102	Communicate in the workplace	26
MSMSUP106	Work in a team	26
MSMSUP200	Achieve work outcomes	52
MSMSUP204	Pack products or materials	26
MSMSUP205	Transfer loads	26
MSMSUP210	Process and record information	13
MSMSUP230	Monitor process operations	26

MSMSUP240	Undertake minor maintenance	26
MSMSUP273	Handle goods	30
MSMSUP280	Manage conflict at work	20
MSMSUP291	Participate in continuous improvement	26
MSMSUP292	Sample and test materials and product	40
MSMSUP300	Identify and apply process improvements	40
MSMSUP301	Apply HACCP to the workplace	30
MSMSUP303	Identify equipment faults	26
MSMSUP309	Maintain and organise workplace records	26
MSMSUP310	Contribute to the development of workplace documentation	30
MSMSUP330	Develop and adjust a production schedule	30
MSMSUP382	Provide coaching/mentoring in the workplace	40
MSMSUP383	Facilitate a team	20
MSMSUP390	Use structured problem-solving tools	40
MSMSUP400	Develop and monitor quality systems	50
MSMSUP404	Coordinate maintenance	26
MSMSUP405	Identify problems in fluid power system	40
MSMSUP406	Identify faults in electronic control	40
MSMTMINS301	Inspect a range of simple measures	30
MSMTMINS302	Inspect a range of simple measuring instruments	30
MSMTMINS401	Inspect a range of weighing instruments	60
MSMTMINS402	Inspect liquid measuring instruments using volume measures	60
MSMTMINS403	Inspect a range of trading practices	50
MSMTMINS404	Inspect a range of pre-packaged products	60
MSMTMINS501	Inspect a range of complex measuring instruments	60
MSMTMREF301	Use and maintain reference standards	20
MSMTMVER301	Verify simple measures	30
MSMTMVER302	Verify simple measuring instruments	30

MSMTMVER401	Verify weighing instruments	60
MSMTMVER402	Verify liquid measuring instruments using volume measures	60
MSMTMVER403	Verify inspector's class reference standards	50
MSMTMVER501	Verify complex measuring instruments	50
MSMWHS100	Follow WHS procedures	26
MSMWHS110	Follow emergency response procedures	26
MSMWHS200	Work safely	26
MSMWHS201	Conduct hazard analysis	20
MSMWHS205	Control minor incidents	26
MSMWHS210	Undertake first response to non-fire incidents	26
MSMWHS212	Undertake first response to fire incidents	26
MSMWHS216	Operate breathing apparatus	20
MSMWHS217	Gas test atmospheres	30
MSMWHS218	Control the risks of falls	20
MSMWHS300	Facilitate the implementation of WHS for a work group	40
MSMWHS400	Contribute to WHS management system	60
MSMWHS401	Assess risk	60
MSMWHS503	Maintain WHS management system	50
MSMWHS510	Manage risk	50
MSMWHS601	Develop WHS management system	60
MSMWJ201	Use high pressure water jetting equipment	55
MSMWJ301	Operate a high pressure water jetting system	55
MSMWJ302	Operate a drain cleaning system	35
MSMWJ303	Operate a vacuum loading system	35

Mapping Qualifications

The following table provides an overview of the qualifications from Version 2.00 which replace qualifications from the existing version of the MSA07 Manufacturing Training Package.

MSA07 Current Qualification				MSM Replacement Qualification		
National Code	National Title	Nominal Hours	E / NE	National Code	National Title	Nominal Hours
MSA10207	Certificate I in Process Manufacturing	288	E	MSM10116	Certificate I in Process Manufacturing	288
MSA10107	Certificate I in Manufacturing (Pathways)	270	E	MSM10216	Certificate I in Manufacturing (Pathways)	270
MSA20107	Certificate II in Process Manufacturing	427	E	MSM20116	Certificate II in Process Manufacturing	427
MSA20208	Certificate II in Manufacturing Technology	356	E	MSM20216	Certificate II in Manufacturing Technology	356
MSA30107	Certificate III in Process Manufacturing	558	E	MSM30116	Certificate III in Process Manufacturing	558
MSA30309	Certificate III in Surface Preparation and Coating Application	731	E	MSM30216	Certificate III in Surface Preparation and Coating Application	731
MSA40311	Certificate IV in Process Manufacturing	910	E	MSM40116	Certificate IV in Process Manufacturing	910
MSA50311	Diploma of Production Management	496	E	MSM50316	Diploma of Production Management	496

Mapping Units of Competency

The following table provides an overview of the units of competency from Version 2.00 which replace units of competency from the existing version of the MSM Manufacturing Training Package.

MSA07 Current Unit				MSM Replacement Unit		
National Code	National Title	Nominal Hours	E / NE	National Code	National Title	Nominal Hours
MSAPMSUP172A	Identify and minimise environmental hazards	20	E	MSMENV172	Identify and minimise environmental hazards	20
MSAENV672B	Develop workplace policy and procedures for environmental sustainability	50	E	MSMENV672	Develop workplace policy and procedures for environmental sustainability	50
MSAPMOPS100A	Use equipment	30	E	MSMOPS100	Use equipment	30
MSAPMOPS201A	Cut polymer materials	20	E	MSMOPS201	Cut polymer materials	20
MSAPMOPS202A	Fabricate polymer materials	40	E	MSMOPS202	Fabricate polymer products	40
MSAPMOPS244A	Layout and cut materials	30	E	MSMOPS244	Lay out and cut materials	30
MSAPMOPS301A	Treat corrosion	20	E	MSMOPS301	Treat corrosion	20
MSAPMOPS363A	Organise on site work	30	E	MSMOPS363	Organise on-site work	30
MSAPMOPS400A	Optimise process/plant area	60	E	MSMOPS400	Optimise process/plant area	60
MSAPMOPS401A	Trial new process or product	26	E	MSMOPS401	Trial new process or product	26
MSAPMOPS601A	Design equipment and system modifications	70	E	MSMOPS601	Design equipment and system modifications	70
MSAPCI101A	Adapt to work in industry	18	E	MSMPCI101	Adapt to work in industry	18
MSAPCI102A	Apply effective work practices	18	E	MSMPCI102	Apply effective work practices	18
MSAPCI103A	Demonstrate care and apply safe practices at work	18	E	MSMPCI103	Demonstrate care and apply safe practices at work	18
MSAPCII295A	Operate manufacturing equipment	40	E	MSMPCII295	Operate manufacturing equipment	40
MSAPCII296A	Make a small furniture item from timber	40	E	MSMPCII296	Make a small furniture item from timber	40
MSAPCII297A	Make an object from cloth using an existing pattern	40	E	MSMPCII297	Make an object from cloth using an existing pattern	40
MSAPCII298A	Make an object from metal	40	E	MSMPCII298	Make an object from metal	40
MSAPCII299A	Make an object from plastic	40	E	MSMPCII299	Make an object from plastic	40
MSAPMPER201A	Monitor and control work permits	20	E	MSMPER201	Monitor and control work permits	20
MSAPMPER202A	Observe permit work	20	E	MSMPER202	Observe permit work	20

MSAPMPER205C	Enter confined space	30	E	MSMPER205	Enter confined space	30
MSAPMPER300C	Issue work permits	20	E	MSMPER300	Issue work permits	20
MSAPMPER400A	Coordinate permit process	30	E	MSMPER400	Coordinate permit process	30
MSAPMSUP204A	Pack products or materials	26	E	MSMSUP204	Pack products or materials	26
MSAPMSUP205A	Transfer loads	26	E	MSMSUP205	Transfer loads	26
MSAPMSUP230A	Monitor process operations	26	E	MSMSUP230	Monitor process operations	26
MSAPMSUP292A	Sample and test materials and product	40	E	MSMSUP292	Sample and test materials and product	40
MSAPMSUP300A	Identify and implement opportunities to maximise production efficiencies	40	E	MSMSUP300	Identify and apply process improvements	40
MSAPMSUP301A	Apply HACCP to the workplace	30	E	MSMSUP301	Apply HACCP to the workplace	30
MSAPMSUP303A	Identify equipment faults	26	E	MSMSUP303	Identify equipment faults	26
MSAPMSUP309A	Maintain and organise workplace records	26	E	MSMSUP309	Maintain and organise workplace records	26
MSAPMSUP310A	Contribute to the development of plant documentation	30	E	MSMSUP310	Contribute to the development of workplace documentation	30
MSAPMSUP330A	Develop and adjust a production schedule	30	E	MSMSUP330	Develop and adjust a production schedule	30
MSAPMSUP382A	Provide coaching/mentoring in the workplace	40	E	MSMSUP382	Provide coaching/mentoring in the workplace	40
MSAPMOPS404A	Co-ordinate maintenance	26	E	MSMSUP404	Coordinate maintenance	26
MSAPMOPS405A	Identify problems in fluid power system	40	E	MSMSUP405	Identify problems in fluid power system	40
MSAPMOPS406A	Identify problems in electronic control systems	40	E	MSMSUP406	Identify faults in electronic control	40
MSATMINS301A	Inspect a range of simple measures	30	E	MSMTMINS301	Inspect a range of simple measures	30
MSATMINS302A	Inspect a range of simple measuring instruments	30	E	MSMTMINS302	Inspect a range of simple measuring instruments	30
MSATMINS401A	Inspect a range of weighing instruments	60	E	MSMTMINS401	Inspect a range of weighing instruments	60
MSATMINS402A	Inspect a range of liquid measuring instruments using volume measures	60	E	MSMTMINS402	Inspect liquid measuring instruments using volume measures	60
MSATMINS403A	Inspect a range of trading practices	50	E	MSMTMINS403	Inspect a range of trading practices	50
MSATMINS404A	Inspect a range of pre-packaged products	60	E	MSMTMINS404	Inspect a range of pre-packaged products	60
MSATMINS501A	Inspect a range of complex measuring instruments	60	E	MSMTMINS501	Inspect a range of complex measuring instruments	60
MSATMREF301A	Use and maintain reference standards	20	E	MSMTMREF301	Use and maintain reference standards	20
MSATMVER301A	Verify simple measures	30	E	MSMTMVER301	Verify simple measures	30

MSATMVER302A	Verify a simple measuring instrument	30	E	MSMTMVER302	Verify simple measuring instruments	30
MSATMVER401A	Verify a limited weighing instrument	60	E	MSMTMVER401	Verify weighing instruments	60
MSATMVER402A	Verify a liquid measuring instrument using volume measures	60	E	MSMTMVER402	Verify liquid measuring instruments using volume measures	60
MSATMVER403A	Verify inspector's class reference standards	50	E	MSMTMVER403	Verify inspector's class reference standards	50
MSATMVER501A	Verify a complex measuring instrument	50	E	MSMTMVER501	Verify complex measuring instruments	50
MSAPMOHS100A	Follow OHS procedures	26	E	MSMWHS100	Follow WHS procedures	26
			-	MSMWHS201	Conduct hazard analysis	20
MSAPMOHS210B	Undertake first response to non-fire incidents	26	E	MSMWHS210	Undertake first response to non-fire incidents	26
MSAPMOHS212A	Undertake first response to fire incidents	26	E	MSMWHS212	Undertake first response to fire incidents	26
MSAPMOHS216A	Operate breathing apparatus	20	E	MSMWHS216	Operate breathing apparatus	20
MSAPMOHS217A	Gas test atmospheres	30	E	MSMWHS217	Gas test atmospheres	30
			-	MSMWHS218	Control the risks of falls	20
MSAPMOHS300A	Facilitate the implementation of OHS for a work group	40	E	MSMWHS300	Facilitate the implementation of WHS for a work group	40
MSAPMOHS400A	Contribute to OHS management system	60	E	MSMWHS400	Contribute to WHS management system	60
MSAPMOHS401A	Assess risk	60	E	MSMWHS401	Assess risk	60
MSAPMOHS503A	Maintain the workplace OHS management system	50	E	MSMWHS503	Maintain WHS management system	50
MSAPMOHS510A	Manage risk	50	E	MSMWHS510	Manage risk	50
MSAPMOHS601A	Establish workplace OHS management system	60	E	MSMWHS601	Develop WHS management system	60

Traineeships

The following table provides a summary of the qualifications in the MSM Manufacturing Training Package and the accredited traineeship courses they will replace.

MSA07 Current Unit			MSM Replacement Unit				
National Code	National Title	Traineeship	Nominal Hours	E / NE	National Code	National Title	Nominal Hours
MSA20107	Certificate II in Process Manufacturing	TR11000: PROCESS MANUFACTURING (LEVEL 2)	427	E	MSM20116	Certificate II in Process Manufacturing	427
		TR11010: PROCESS SUPPORT (LEVEL 2)					
MSA30107	Certificate III in Process Manufacturing	TR08300: PROCESS MANUFACTURING (LEVEL 3)	558	E	MSM30116	Certificate III in Process Manufacturing	558
		TR10660: PROCESS SUPPORT (LEVEL 3)					
MSA30309	Certificate III in Surface Preparation and Coating Application	TR09930: SURFACE PREPARATION AND COATINGS APPLICATION	731	E	MSM30216	Certificate III in Surface Preparation and Coating Application	731