

MSL09 LABORATORY OPERATIONS TRAINING PACKAGE

Version 2.3

WA NOMINAL HOURS GUIDE

**Western Australian Department of Training and
Workforce Development**

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Foreword

This Guide has been generated to enable the stakeholders in the Laboratory Operations Industry in Western Australia to participate in the managed implementation of the National MSL09 Laboratory Operations 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 2.3 of the MSL09 Laboratory Operations Training Package was released by Training.Gov.Au (TGA) in **11 March 2013**.

Version 2.2 of the MSL09 Laboratory Operations Training Package was released by Training.Gov.Au (TGA) in **19 December 2012**.

Version 2.1 of the MSL09 Laboratory Operations Training Package was released by Training.Gov.Au (TGA) in **17 December 2012**

Version 2 of the MSL09 Laboratory Operations Training Package was released by Training.Gov.Au (TGA) in **12 December 2012**

Obtaining the Training Package

The MSL09 Laboratory Operations Training Package can be purchased from:



Office: Level 8, 80 Arthur Street
North Sydney NSW 2060
Postal: PO Box 289
North Sydney NSW 2059
T: 1800 358 458 | F: (02) 9955 8044
E: info@mskills.com.au
W: www.mskills.com.au

Information on National Training Packages is also available through Training.Gov (TGA), which can be located on the Internet at: www.training.gov.au

All RTOs who have Training Package qualifications on their Scope of Delivery must have access to the relevant Training Package.

Version Modification History

The version details of this endorsed Training Package are in the table below. The latest information is at the top of the table.

Version	TGA Release Date	Modification History
2.3	11 March 2013	<p>ISC upgrade All qualifications reloaded to correct publishing errors that have occurred since release of version 2.</p> <p>Minor formatting changes.</p> <p>Prerequisites now marked with an asterisk.</p> <p>Refer to summary mapping.</p>
2.2	19 December 2012	<p>ISC upgrade</p> <ul style="list-style-type: none"> • Correction of data error in core units in qualifications MSL50109 and MSL60109
2.1	17 December 2012	<p>Correction of errors in Release 2 of MSL09:</p> <ul style="list-style-type: none"> • Wrong MSAENV units listed in release 2 of qualifications MSL40109, MSL50109 and MSL60109 • Wrong elective units listed in Group 2 in release 2 of MSL50109 <p>Prerequisite unit listed against HLTPAT419A in MSL30109, MSL40109 and MSL50109 removed – unit has no prerequisite.</p> <p>HLTPAT units updated to current versions - equivalent</p>
2	12 December 2012	<p>Endorsed changes Addition of three new elective units of competency for inclusion in MSL40109, MSL50109 and MSL60109.</p> <p>Refer to mapping for details</p> <p>ISC upgrades Minor adjustments to MSL974005A.</p>
1.2	January 2011	<p>Importation allowance added to one qualification and error corrected in packaging rules (MSL70109)</p>
1.1	July 2010	<p>ISC updates to comply with flexibility requirements: MSL20109, 30109, 40109, 50109 and 60109.</p> <p>Imported units updated: MSAENV272B, MSAENV472B and MSAENV672B Prerequisites corrected in MSL975007A and MSL975016A (qualifications affected - MSL40109, 50109 and 60109)</p>
1	January 2010	Initial version

Transition Arrangements

Registered Training Organisations (RTOs) are required to deliver Training Package qualifications within 12 months of the release date of the Training Package on to Training.gov.au (TGA).

Students currently enrolled in an existing version of the Training Package qualification should be permitted to complete the program they enrolled in initially, unless the move to the related qualification from a Training Package can be made without disadvantage to a student.

Nominal Hours

The Commonwealth Department of Employment, Education and Workplace Relations' definition of nominal hours states:

“The value assigned to a structured program of study that nominally represents the anticipated hours of supervised learning and/or training deemed necessary to conduct training/learning and assessment activities associated with the program of study”

Source: National Quality Council Training Package Glossary Version V2.1
17/03/2010

<http://www.deewr.gov.au/Skills/Overview/Policy/TPDH/Downloads/Documents/TrainingPackGlossary.pdf>

Nominal hours are identified for each Training Package qualification. Total nominal hours may vary within a qualification depending on the selection of elective units of competency.

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

Qualifications and Nominal Hours

The following table provides a summary of the qualifications and nominal hours in the MSL09 Training Package Laboratory Operations Training Package

National ID	Qualification Title	Nominal Hours
MSL20109	Certificate II in Sampling and Measurement	360
MSL30109	Certificate III in Laboratory Skills	640
MSL40109	Certificate IV in Laboratory Techniques	880
MSL50109	Diploma of Laboratory Technology	1560
MSL60109	Advanced Diploma of Laboratory Operations	560
MSL70109	Vocational Graduate Certificate In Instrumental Analysis	670

Units of Competency and Nominal Hours

The following table provides a summary of the units of competency and nominal hours in the industry MSL09 Laboratory Operations Training Package Training

National ID	Unit Title	Nominal Hours
MSL904001A	Perform standard calibrations	60
MSL905001A	Perform non-standard calibrations	60
MSL905002A	Create or modify calibration procedures	80
MSL905003A	Create or modify automated calibration procedures	80
MSL912001A	Work within a laboratory/field workplace (induction)	40
MSL913001A	Communicate with other people	20
MSL913002A	Plan and conduct laboratory/field work	40
MSL914001A	Prepare practical science classes and demonstrations	80
MSL915001A	Provide information to customers	60
MSL915002A	Schedule laboratory work for a small team	60
MSL916001A	Develop and maintain laboratory documentation	40
MSL916002A	Manage and develop teams	40
MSL916003A	Supervise laboratory operations in work/functional area	40
MSL916004A	Maintain registration and statutory or legal compliance in work/functional area	40
MSL916005A	Manage complex projects	60
MSL922001A	Record and present data	60
MSL924001A	Process and interpret data	60
MSL924002A	Use laboratory application software	60
MSL925001A	Analyse data and report results	120
MSL925002A	Analyse measurements and estimate uncertainties	50
MSL933001A	Maintain the laboratory/field workplace fit for purpose	20
MSL933002A	Contribute to the achievement of quality objectives	60
MSL933003A	Apply critical control point requirements	40
MSL933004A	Perform calibration checks on equipment and assist with its maintenance	35
MSL934001A	Contribute to the ongoing development of HACCP plans	40
MSL934002A	Apply quality system and continuous improvement processes	60
MSL934003A	Maintain and control stocks	40
MSL935001A	Monitor the quality of test results and data	120
MSL935002A	Assist in the maintenance of reference materials	60
MSL935003A	Authorise the issue of test results	50
MSL935004A	Maintain instruments and equipment	120
MSL936001A	Maintain quality system and continuous improvement processes within work/functional area	40
MSL936002A	Conduct an internal audit of the quality system	40
MSL943001A	Work safely with instruments that emit ionising radiation	60
MSL943002A	Participate in laboratory/field workplace safety	40
MSL944001A	Maintain laboratory/field workplace safety	20
MSL946001A	Implement and monitor OHS and environmental management systems	40
MSL952001A	Collect routine site samples	20
MSL952002A	Handle and transport samples or equipment	40
MSL953001A	Receive and prepare samples for testing	40
MSL953002A	Operate a robotic sample preparation system	50
MSL954001A	Obtain representative samples in accordance with sampling plan	40
MSL954002A	Prepare mineral samples for analysis	40
MSL955001A	Supervise a robotic sample preparation system	45
MSL963001A	Operate basic handblowing equipment	60

National ID	Unit Title	Nominal Hours
MSL963002A	Repair glass apparatus using simple glassblowing equipment	60
MSL965001A	Design and manufacture glass apparatus and glass systems	120
MSL965002A	Perform glass coating, grinding and finishing operations	120
MSL965003A	Construct, modify and maintain high vacuum systems	120
MSL972001A	Conduct routine site measurements	40
MSL973001A	Perform basic tests	80
MSL973002A	Prepare working solutions	80
MSL973003A	Prepare culture media	20
MSL973004A	Perform aseptic techniques	40
MSL973005A	Assist with fieldwork	40
MSL973006A	Prepare trial batches for evaluation	40
MSL973007A	Perform microscopic examination	40
MSL973008A	Perform histological procedures	40
MSL973009A	Conduct field-based acceptance tests for construction materials	50
MSL973010A	Conduct laboratory-based acceptance tests for construction materials	45
MSL973011A	Perform fire pouring techniques	45
MSL973012A	Assist with geotechnical site investigations	80
MSL974001A	Prepare, standardise and use solutions	60
MSL974002A	Conduct geotechnical site investigations	50
MSL974003A	Perform chemical tests and procedures	60
MSL974004A	Perform food tests	60
MSL974005A	Perform physical tests	60
MSL974006A	Perform biological procedures	120
MSL974007A	Undertake environmental field-based monitoring	60
MSL974008A	Capture and manage scientific images	40
MSL974009A	Undertake field-based, remote-sensing monitoring	60
MSL974010A	Perform mechanical tests	80
MSL974011A	Prepare tissue and cell cultures	40
MSL974012A	Perform tests to determine the properties of construction materials	80
MSL974013A	Monitor performance of structures	80
MSL975001A	Perform microbiological tests	120
MSL975002A	Perform haematological tests	120
MSL975003A	Perform histological tests	120
MSL975004A	Perform chemical pathology tests	120
MSL975005A	Conduct sensory analysis	60
MSL975006A	Perform immunohaematological tests	120
MSL975007A	Supervise sampling, inspections and testing at construction sites	70
MSL975008A	Apply electrophoretic techniques	120
MSL975009A	Apply routine chromatographic techniques	120
MSL975010A	Perform fire assay techniques	120
MSL975011A	Design and supervise complex environmental field surveys	120
MSL975012A	Provide input to production trials	120
MSL975013A	Perform tissue and cell culture techniques	120
MSL975014A	Perform molecular biology tests and procedures	120
MSL975015A	Prepare animal and plant material for display	120
MSL975016A	Perform complex tests to measure engineering properties of materials	120
MSL975017A	Perform laboratory-based ecological techniques	120
MSL975018A	Perform complex tests to measure chemical properties of materials	120
MSL975019A	Apply complex instrumental techniques	120
MSL975020A	Apply routine spectrometric techniques	120
MSL975021A	Apply routine electrometric techniques	120
MSL975022A	Perform food analyses	120
MSL975023A	Supervise geotechnical site investigations	70
MSL975024A	Locate, record and collect forensic samples	80

National ID	Unit Title	Nominal Hours
MSL975025A	Perform complex laboratory testing of forensic samples	100
MSL975026A	Perform physical examination of forensic samples	90
MSL976001A	Classify building sites	60
MSL976002A	Prepare plans and quality assurance procedures for environmental field activities	60
MSL976003A	Evaluate and select appropriate test methods and/or procedures	60
MSL977001A	Contribute to the development of products and applications	40
MSL977002A	Troubleshoot equipment and/or production processes	40
MSL977003A	Contribute to the validation of test methods	40
MSL977004A	Develop or adapt analyses and procedures	40
MSL977005A	Integrate data acquisition and interfacing systems	40
MSL977006A	Apply specialised knowledge of gas chromatography techniques to tissues	90
MSL977007A	Apply specialised knowledge of liquid chromatography techniques to analysis	90
MSL977008A	Apply specialised knowledge of inductively coupled plasma spectroscopy to analysis	90
MSL977009A	Apply advanced ultraviolet, visible and near infra red spectroscopic techniques to analysis	90
MSL977010A	Apply advanced infra red spectroscopic techniques to analysis	90
MSL977011A	Contribute to the selection, commissioning and maintenance of analytical instruments	70

Mapping Qualifications

The following table provides an overview of the qualifications from the MSL09 Laboratory Operations Training Package which replaces qualifications from the existing version of the MSL04 Laboratory Operations Training Package.

PML04 Current Qualification			MSL09 Replacement Qualification		
National ID	Qualification Title	Hours	National ID	Qualification Title	Hours
PML20104	Certificate II in Sampling and Measurement	360	MSL20109	Certificate II in Sampling and Measurement	360
PML30104	Certificate III in Laboratory Skills	620	MSL30109	Certificate III in Laboratory Skills	640
PML40104	Certificate IV in Laboratory Techniques	820	MSL40109	Certificate IV in Laboratory Techniques	880
PML50104	Diploma of Laboratory Technology	1440	MSL50109	Diploma of Laboratory Technology	1560
PML60104	Advanced Diploma of Laboratory Operations	600	MSL60109	Advanced Diploma of Laboratory Operations	560
	No Previous Equivalent		MSL70109	Vocational Graduate Certificate In Instrumental Analysis	670

Mapping Units of Competency

The following table provides an overview of the units of competency from the PML04 Laboratory Operations Training Package which are replaced by the units of competency from the MSL09 Laboratory Operations Training Package

PML04			MSL09		
National ID	Units of Competency Title	Hours	National ID	Units of Competency Title	Hours
PMLCAL400A	Perform standard calibrations	60	MSL904001A	Perform standard calibrations	60
PMLCAL500A	Perform non-standard calibrations	60	MSL905001A	Perform non-standard calibrations	60
PMLCAL501A	Create or modify calibration procedures	80	MSL905002A	Create or modify calibration procedures	80
PMLCAL502A	Create or modify automated calibration procedures	80	MSL905003A	Create or modify automated calibration procedures	80
PMLORG200A	Work within a laboratory/field workplace (induction)	40	MSL912001A	Work within a laboratory/field workplace (induction)	40
PMLCOM300B	Communicate with other people	20	MSL913001A	Communicate with other people	20
PMLORG301A	Plan and conduct laboratory/field work	40	MSL913002A	Plan and conduct laboratory/field work	40
PMLORG400A	Prepare practical science classes and demonstrations	80	MSL914001A	Prepare practical science classes and demonstrations	80
PMLCOM500B	Provide information to customers	60	MSL915001A	Provide information to customers	60
PMLORG500B	Schedule laboratory work for a small team	60	MSL915002A	Schedule laboratory work for a small team	60
PMLCOM600B	Develop and maintain laboratory documentation	40	MSL916001A	Develop and maintain laboratory documentation	40
PMLTEAM600B	Manage and develop teams	40	MSL916002A	Manage and develop teams	40
PMLORG600B	Supervise laboratory operations in work/functional area	40	MSL916003A	Supervise laboratory operations in work/functional area	40
PMLORG601B	Maintain registration and statutory or legal compliance in work/functional area	40	MSL916004A	Maintain registration and statutory or legal compliance in work/functional area	40
PMLORG602B	Manage complex projects	60	MSL916005A	Manage complex projects	60
PMLDATA200A	Record and present data	60	MSL922001A	Record and present data	60
PMLDATA400A	Process and interpret data	60	MSL924001A	Process and interpret data	60
PMLDATA501B	Use laboratory application software	60	MSL924002A	Use laboratory application software	60
PMLDATA500B	Analyse data and report results	120	MSL925001A	Analyse data and report results	120
	No Previous Equivalent		MSL925002A	Analyse measurements and estimate uncertainties	50
PMLMAIN300B	Maintain the laboratory fit for purpose	20	MSL933001A	Maintain the laboratory/field workplace fit for	20

PML04			MSL09		
National ID	Units of Competency Title	Hours	National ID	Units of Competency Title	Hours
				purpose	
PMLQUAL300B	Contribute to the achievement of quality objectives	60	MSL933002A	Contribute to the achievement of quality objectives	60
PMLQUAL301B	Apply critical control point requirements	40	MSL933003A	Apply critical control point requirements	40
	No Previous Equivalent		MSL933004A	Perform calibration checks on equipment and assist with its maintenance	35
PMLQUAL400B	Contribute to the ongoing development of HACCP plans	40	MSL934001A	Contribute to the ongoing development of HACCP plans	40
PMLQUAL401B	Apply quality system and continuous improvement processes	60	MSL934002A	Apply quality system and continuous improvement processes	60
PMLMAIN400A	Maintain and control stocks	40	MSL934003A	Maintain and control stocks	40
PMLQUAL500A	Monitor the quality of test results and data	120	MSL935001A	Monitor the quality of test results and data	120
PMLMAIN501B	Assist in the maintenance of reference materials	60	MSL935002A	Assist in the maintenance of reference materials	60
	No Previous Equivalent		MSL935003A	Authorise the issue of test results	50
PMLMAIN502A	Maintain instruments and equipment	120	MSL935004A	Maintain instruments and equipment	120
PMLQUAL600B	Maintain quality system and continuous improvement processes within work/functional area	40	MSL936001A	Maintain quality system and continuous improvement processes within work/functional area	40
PMLQUAL601B	Conduct an internal audit of the quality system	40	MSL936002A	Conduct an internal audit of the quality system	40
PMLOHS301B	Work safely with instruments that emit ionising radiation	60	MSL943001A	Work safely with instruments that emit ionising radiation	60
PMLOHS302A	Participate in laboratory/field workplace safety	40	MSL943002A	Participate in laboratory/field workplace safety	40
PMLOHS400A	Maintain laboratory/field workplace safety	20	MSL944001A	Maintain laboratory/field workplace safety	20
PMLOHS601A	Implement and monitor OHS and environmental management systems	40	MSL946001A	Implement and monitor OHS and environmental management systems	40
PMLSAMP200A	Collect routine site samples	40	MSL952001A	Collect routine site samples	20
PMLSAMP201A	Handle and transport samples or equipment	40	MSL952002A	Handle and transport samples or equipment	40
PMLSAMP302A	Receive and prepare samples for testing	40	MSL953001A	Receive and prepare samples for testing	40
	No Previous Equivalent		MSL953002A	Operate a robotic sample preparation system	50
PMLSAMP400B	Obtain representative samples in accordance with sampling plan	20	MSL954001A	Obtain representative samples in accordance with sampling plan	40
PMLSAMP401A	Prepare mineral samples for analysis	40	MSL954002A	Prepare mineral samples for analysis	40
	No Previous Equivalent		MSL955001A	Supervise a robotic sample preparation system	45

PML04			MSL09		
National ID	Units of Competency Title	Hours	National ID	Units of Competency Title	Hours
PMLSCIG300B	Operate basic handblowing equipment	60	MSL963001A	Operate basic handblowing equipment	60
PMLSCIG301B	Repair glass apparatus using simple glassblowing equipment	60	MSL963002A	Repair glass apparatus using simple glassblowing equipment	60
PMLSCIG501B	Design and manufacture glass apparatus and glass systems	120	MSL965001A	Design and manufacture glass apparatus and glass systems	120
PMLSCIG502B	Perform glass coating, grinding and finishing operations	120	MSL965002A	Perform glass coating, grinding and finishing operations	120
PMLSCIG503B	Construct, modify and maintain high vacuum systems	120	MSL965003A	Construct, modify and maintain high vacuum systems	120
PMLTEST200A	Conduct routine site measurements	40	MSL972001A	Conduct routine site measurements	40
PMLTEST300B	Perform basic tests	80	MSL973001A	Perform basic tests	80
PMLTEST303B	Prepare working solutions	80	MSL973002A	Prepare working solutions	80
PMLTEST304B	Prepare culture media	20	MSL973003A	Prepare culture media	20
PMLTEST305B	Perform aseptic techniques	40	MSL973004A	Perform aseptic techniques	40
PMLTEST306B	Assist with fieldwork	40	MSL973005A	Assist with fieldwork	40
PMLTEST307B	Prepare trial batches for evaluation	40	MSL973006A	Prepare trial batches for evaluation	40
PMLTEST308A	Perform microscopic examination	40	MSL973007A	Perform microscopic examination	40
PMLTEST310A	Perform histological procedures	40	MSL973008A	Perform histological procedures	40
	No Previous Equivalent		MSL973009A	Conduct field-based acceptance tests for construction materials	50
	No Previous Equivalent		MSL973010A	Conduct laboratory-based acceptance tests for construction materials	45
	No Previous Equivalent		MSL973011A	Perform fire pouring techniques	45
PMLTEST403B	Assist with geotechnical site investigations	80	MSL973012A	Assist with geotechnical site investigations	80
PMLTEST402B	Prepare, standardise and use solutions	60	MSL974001A	Prepare, standardise and use solutions	60
	No Previous Equivalent		MSL974002A	Conduct geotechnical site investigations	50
PMLTEST404A	Perform chemical tests and procedures	60	MSL974003A	Perform chemical tests and procedures	60
PMLTEST405A	Perform food tests	60	MSL974004A	Perform food tests	60
PMLTEST406A	Perform physical tests	60	MSL974005A	Perform physical tests	60
PMLTEST407A	Perform biological procedures	120	MSL974006A	Perform biological procedures	120
PMLTEST408A	Undertake environmental field-based monitoring	60	MSL974007A	Undertake environmental field-based monitoring	60
PMLTEST409A	Capture and manage scientific images	40	MSL974008A	Capture and manage scientific images	40
PMLTEST410A	Undertake environmental field-based, remote-sensing monitoring	60	MSL974009A	Undertake field-based, remote-sensing monitoring	60

PML04			MSL09		
National ID	Units of Competency Title	Hours	National ID	Units of Competency Title	Hours
PMLTEST411A	Perform mechanical tests	80	MSL974010A	Perform mechanical tests	80
PMLTEST412A	Prepare tissue and cell cultures	40	MSL974011A	Prepare tissue and cell cultures	40
	No Previous Equivalent		MSL974012A	Perform tests to determine the properties of construction materials	80
	No Previous Equivalent		MSL974013A	Monitor performance of structures	80
PMLTEST501B	Perform microbiological tests	120	MSL975001A	Perform microbiological tests	120
PMLTEST502B	Perform haematological tests	120	MSL975002A	Perform haematological tests	120
PMLTEST503B	Perform histological tests	120	MSL975003A	Perform histological tests	120
PMLTEST504B	Perform chemical pathology tests	120	MSL975004A	Perform chemical pathology tests	120
PMLTEST505B	Conduct sensory analysis	60	MSL975005A	Conduct sensory analysis	60
PMLTEST509B	Perform immunohaematological tests	120	MSL975006A	Perform immunohaematological tests	120
	No Previous Equivalent		MSL975007A	Supervise sampling, inspections and testing at construction sites	70
PMLTEST512A	Apply electrophoretic techniques	120	MSL975008A	Apply electrophoretic techniques	120
PMLTEST513A	Apply routine chromatographic techniques	120	MSL975009A	Apply routine chromatographic techniques	120
PMLTEST514A	Perform fire assay techniques	120	MSL975010A	Perform fire assay techniques	120
PMLTEST515A	Design and supervise complex environmental field surveys	120	MSL975011A	Design and supervise complex environmental field surveys	120
PMLTEST516A	Provide input to production trials	120	MSL975012A	Provide input to production trials	120
PMLTEST517A	Perform tissue and cell culture techniques	120	MSL975013A	Perform tissue and cell culture techniques	120
PMLTEST518A	Perform molecular biology tests/procedures	120	MSL975014A	Perform molecular biology tests and procedures	120
PMLTEST519A	Prepare animal and plant material for display	120	MSL975015A	Prepare animal and plant material for display	120
PMLTEST520A	Perform complex tests to measure engineering properties of materials	120	MSL975016A	Perform complex tests to measure engineering properties of materials	120
PMLTEST521A	Perform laboratory based ecological techniques	120	MSL975017A	Perform laboratory-based ecological techniques	120
PMLTEST522A	Perform complex tests to measure chemical properties of materials	120	MSL975018A	Perform complex tests to measure chemical properties of materials	120
PMLTEST523A	Apply complex instrumental techniques	120	MSL975019A	Apply complex instrumental techniques	120
PMLTEST524A	Apply routine spectrometric techniques	120	MSL975020A	Apply routine spectrometric techniques	120
PMLTEST525A	Apply routine electrometric techniques	120	MSL975021A	Apply routine electrometric techniques	120
PMLTEST526A	Perform food analyses	120	MSL975022A	Perform food analyses	120
	No Previous Equivalent		MSL975023A	Supervise geotechnical site investigations	70
	No Previous Equivalent		MSL975024A	Locate, record and collect forensic samples	80

PML04			MSL09		
National ID	Units of Competency Title	Hours	National ID	Units of Competency Title	Hours
	No Previous Equivalent		MSL975025A	Perform complex laboratory testing of forensic samples	100
	No Previous Equivalent		MSL975026A	Perform physical examination of forensic samples	90
PMLTEST601B	Classify building sites	60	MSL976001A	Classify building sites	60
PMLTEST602A	Prepare plans and quality assurance procedures for environmental field activities	60	MSL976002A	Prepare plans and quality assurance procedures for environmental field activities	60
PMLTEST603A	Evaluate and select appropriate test methods and/or procedures	60	MSL976003A	Evaluate and select appropriate test methods and/or procedures	60
PMLTEST700B	Contribute to the development of products and applications	40	MSL977001A	Contribute to the development of products and applications	40
PMLTEST701B	Troubleshoot equipment and production processes	40	MSL977002A	Troubleshoot equipment and/or production processes	40
PMLTEST702B	Contribute to validation of test methods	40	MSL977003A	Contribute to the validation of test methods	40
PMLTEST703B	Develop or adapt analyses and procedures	40	MSL977004A	Develop or adapt analyses and procedures	40
PMLTEST704B	Integrate data acquisition and interfacing systems	40	MSL977005A	Integrate data acquisition and interfacing systems	40
	No Previous Equivalent		MSL977006A	Apply specialised knowledge of gas chromatography techniques to tissues	90
	No Previous Equivalent		MSL977007A	Apply specialised knowledge of liquid chromatography techniques to analysis	90
	No Previous Equivalent		MSL977008A	Apply specialised knowledge of inductively coupled plasma spectroscopy to analysis	90
	No Previous Equivalent		MSL977009A	Apply advanced ultraviolet, visible and near infra red spectroscopic techniques to analysis	90
	No Previous Equivalent		MSL977010A	Apply advanced infra red spectroscopic techniques to analysis	90
	No Previous Equivalent		MSL977011A	Contribute to the selection, commissioning and maintenance of analytical instruments	70

Traineeships

The following table provides a summary of the qualifications in the MSL09 Laboratory Operations Training Package and the accredited traineeship courses they will replace.

PML04 Current Qualification				MSL09 Replacement Qualification		
National ID	Qualification Title	Traineeship	Hours	National ID	Qualification Title	Hours
PML20104	Certificate II in Sampling and Measurement	Sampling and Measurement (Level 2)	360	MSL20109	Certificate II in Sampling and Measurement	360
PML30104	Certificate III in Laboratory Skills	Laboratory Skills (Level 3)	620	MSL30109	Certificate III in Laboratory Skills	640
PML40104	Certificate IV in Laboratory Techniques	Laboratory Techniques (Level 4)	820	MSL40109	Certificate IV in Laboratory Techniques	880
PML50104	Diploma in Laboratory Technology	Laboratory Technology (Level 5)	1440	MSL50109	Diploma in Laboratory Technology	1560
PML60104	Advanced Diploma in Laboratory Operations	Senior Laboratory Technician (Level 6)	600	MSL60109	Advanced Diploma in Laboratory Operations	560