

This document shows how the Extractive micro-credentials map to the Safe Work Instrument and includes updates from the Health and Safety at Work (Mining Operations and Quarrying Operations—Prescribed Competency Requirements for Certificates of Competence) Amendment Safe Work Instrument 2025 (commencement date June 2025).

Schedule 1 - Site Senior Executive unit standards

Unit No	Title	Micro-credential
7142	Demonstrate knowledge of the application of regulatory requirements to manage an extractive site	Legislation and Regulatory Requirement (5295) – 7142 only
16810	Develop a Workplace Emergency Management Plan	Micro-credential in development with HAR - "Risk & Emergency Management"
28739	Establish and maintain risk management systems	
29553	Demonstrate operational knowledge of New Zealand's Coordinated Incident Management System functions and structure	Applied Coordinated Incident Management (5303)
29554	Apply operational knowledge of New Zealand's Coordinated Incident Management System	
32158	Demonstrate basic knowledge of New Zealand's Coordinated Incident Management System	
27564	Demonstrate knowledge of leadership in an organisation	Leadership and Worker Health Risk Management (5270)
31761	Demonstrate knowledge of assessing, monitoring, and controlling risks to worker health in the extractive industries	US31671 not required for Site senior executive
28740	Establish and maintain the WHS management system	Micro-credential in development with HAR - "Health & safety management Systems"

Schedule 5 - B-grade Opencast Coal Mine Manager unit standards

Unit No	Title	Micro-credential
6400	Manage first aid in an emergency situation	First Aid course
6401	Provide first aid	
6402	Provide basic life support	
7142 Or 28742	Demonstrate knowledge of the application of regulatory requirements to manage an extractive site Explain legislation related to health and safety, and supporting documents, applicable to an extractive site	Legislation and Regulatory Requirement (5295) – 7142 only No micro-credential currently available
8905	Demonstrate knowledge of construction and maintenance of working surfaces at an extractive site	Site Maintenance and Equipment Safety (5269)
23648	Demonstrate knowledge of and follow safe working practices at an extractive site	
16686	Conduct an incident investigation at an extractive site	Safety and Risk Management (5293) 19522, Undertake job safety analysis removed from SWI requirements but still in micro
28983	Carry out the risk management process	
26855	Analyse Human Factors present in workplace practices at an extractive site	
21155	Demonstrate knowledge of the management and use of water at an extractive site	Water Management and Environmental Effects (5289)
21156	Evaluate programmes to minimise environmental impacts in the planning and managing of extraction operations	
29553	Demonstrate operational knowledge of New Zealand’s Coordinated Incident Management System functions and structure	Applied Coordinated Incident Management (5303)
29554	Apply operational knowledge of New Zealand’s Coordinated Incident Management System	
32158	Demonstrate basic knowledge of New Zealand’s Coordinated Incident Management System	
27563	Demonstrate knowledge of teams and team leadership in an organisation	Team Leadership and Worker Health (5268)
31762	Demonstrate knowledge of worker health in the extractive industries	
OR		
27564	Demonstrate knowledge of leadership in an organisation	Leadership and Worker Health Risk Management (5270)
31761	Demonstrate knowledge of assessing, monitoring, and controlling risks to worker health in the extractive industries	
8902	Prepare a safety inspection plan for extractive operations	Part of Develop Safety Inspections and Operating Procedures (5290)
31092	Demonstrate knowledge of conveyors, and crushing and screening plant for extractive industries	Site Construction and Maintenance (4849)
32283	Explain hazards and controls associated with stockpiling and tip heads at extractive sites	
32284	Follow, maintain and recommend modifications for stockpiling and tip head management plans at an extractive site	

Schedule 8 - A-grade Quarry Manager unit standards

Unit No	Title	Micro-credential
6400	Manage first aid in an emergency situation	First Aid course
6401	Provide first aid	
6402	Provide basic life support	
7142	Demonstrate knowledge of the application of regulatory requirements to manage an extractive site	Legislation and Regulatory Requirement (5295) – 7142 only
7143	Inspect and report on safety and operations at an extractive site	Develop Safety Inspections and Operating Procedures (5290) (includes US28793, Conduct safety inspections for extractive operations)
8902	Prepare a safety inspection plan for extractive operations	
28982	Develop standard operating procedures for an extractive site	
8905	Demonstrate knowledge of construction and maintenance of working surfaces at an extractive site	Site Maintenance and Equipment Safety (5269)
23648	Demonstrate knowledge of and follow safe working practices at an extractive site	
15663	Demonstrate knowledge of the geotechnical requirements for ground stability at surface extraction sites	Plan and Manage Extraction Methods (5292)
15664	Demonstrate introductory knowledge of geology at surface extraction sites	
30902	Demonstrate knowledge of extraction methods, and selection of plant and equipment for surface extraction	
16686	Conduct an incident investigation at an extractive site	Safety and Risk Management (5293) Note: 19522, Undertake job safety analysis removed from SWI requirements but still in micro
28983	Carry out the risk management process	
26855	Analyse Human Factors present in workplace practices at an extractive site	
21151	Demonstrate knowledge of planning rehabilitation operations for an extractive site	Rehabilitation Operations Planning (5294)
21155	Demonstrate knowledge of the management and use of water at an extractive site	Water Management and Environmental Effects (5289)
21156	Evaluate programmes to minimise environmental impacts in the planning and managing of extraction operations	
29553	Demonstrate operational knowledge of New Zealand's Coordinated Incident Management System functions and structure	Applied Coordinated Incident Management (5303)
29554	Apply operational knowledge of New Zealand's Coordinated Incident Management System	
32158	Demonstrate basic knowledge of New Zealand's Coordinated Incident Management System	
27564	Demonstrate knowledge of leadership in an organisation	Leadership and Worker Health Risk Management (5270)
31761	Demonstrate knowledge of assessing, monitoring, and controlling risks to worker health in the extractive industries	
31092	Demonstrate knowledge of conveyors, and crushing and screening plant for extractive industries	Site Construction and Maintenance (4849)
32283	Explain hazards and controls associated with stockpiling and tip heads at extractive sites	
32284	Follow, maintain and recommend modifications for stockpiling and tip head management plans at an extractive site	

Schedule 9 - B-grade Quarry Manager unit standards

Unit No	Title	Micro-credential
6400	Manage first aid in an emergency situation	First Aid course
6401	Provide first aid	
6402	Provide basic life support	
7142 Or 28742	Demonstrate knowledge of the application of regulatory requirements to manage an extractive site Explain legislation related to health and safety, and supporting documents, applicable to an extractive site	Legislation and Regulatory Requirement (5295) – 7142 only No micro-credential currently available
8905	Demonstrate knowledge of construction and maintenance of working surfaces at an extractive site	Site Maintenance and Equipment Safety (5269)
23648	Demonstrate knowledge of and follow safe working practices at an extractive site	
16686	Conduct an incident investigation at an extractive site	Safety and Risk Management (5293) 19522, Undertake job safety analysis removed from SWI requirements but still in micro
28983	Carry out the risk management process	
26855	Analyse Human Factors present in workplace practices at an extractive site	
21155	Demonstrate knowledge of the management and use of water at an extractive site	Water Management and Environmental Effects (5289)
21156	Evaluate programmes to minimise environmental impacts in the planning and managing of extraction operations	
29553	Demonstrate operational knowledge of New Zealand’s Coordinated Incident Management System functions and structure	Applied Coordinated Incident Management (5303)
29554	Apply operational knowledge of New Zealand’s Coordinated Incident Management System	
32158	Demonstrate basic knowledge of New Zealand’s Coordinated Incident Management System	
27563	Demonstrate knowledge of teams and team leadership in an organisation	Team Leadership and Worker Health (5268)
31762	Demonstrate knowledge of worker health in the extractive industries	
OR		
27564	Demonstrate knowledge of leadership in an organisation	Leadership and Worker Health Risk Management (5270)
31761	Demonstrate knowledge of assessing, monitoring, and controlling risks to worker health in the extractive industries	
8902	Prepare a safety inspection plan for extractive operations	Part of Develop Safety Inspections and Operating Procedures (5290)
31092	Demonstrate knowledge of conveyors, and crushing and screening plant for extractive industries	Site Construction and Maintenance (4849)
32283	Explain hazards and controls associated with stockpiling and tip heads at extractive sites	
32284	Follow, maintain and recommend modifications for stockpiling and tip head management plans at an extractive site	

Schedule 11 - A-grade Alluvial Mine Manager unit standards

Unit No	Title	Micro-credential
6400	Manage first aid in an emergency situation	First Aid course
6401	Provide first aid	
6402	Provide basic life support	
7142	Demonstrate knowledge of the application of regulatory requirements to manage an extractive site	Legislation and Regulatory Requirement (5295)
7143	Inspect and report on safety and operations at an extractive site	Develop Safety Inspections and Operating Procedures (5290) (includes US28793, Conduct safety inspections for extractive operations)
8902	Prepare a safety inspection plan for extractive operations	
28982	Develop standard operating procedures for an extractive site	
8905	Demonstrate knowledge of construction and maintenance of working surfaces at an extractive site	Site Maintenance and Equipment Safety (5269)
23648	Demonstrate knowledge of and follow safe working practices at an extractive site	
15663	Demonstrate knowledge of the geotechnical requirements for ground stability at surface extraction sites	Plan and Manage Extraction Methods (5292)
15664	Demonstrate introductory knowledge of geology at surface extraction sites	
30902	Demonstrate knowledge of extraction methods, and selection of plant and equipment for surface extraction	
16686	Conduct an incident investigation at an extractive site	Safety and Risk Management (5293) Note: 19522, Undertake job safety analysis removed from SWI requirements but still in micro
28983	Carry out the risk management process	
26855	Analyse Human Factors present in workplace practices at an extractive site	
21151	Demonstrate knowledge of planning rehabilitation operations for an extractive site	Rehabilitation Operations Planning (5294)
21155	Demonstrate knowledge of the management and use of water at an extractive site	Water Management and Environmental Effects (5289)
21156	Evaluate programmes to minimise environmental impacts in the planning and managing of extraction operations	
29553	Demonstrate operational knowledge of New Zealand's Coordinated Incident Management System functions and structure	Applied Coordinated Incident Management (5303)
29554	Apply operational knowledge of New Zealand's Coordinated Incident Management System	
32158	Demonstrate basic knowledge of New Zealand's Coordinated Incident Management System	
27564 31761	Demonstrate knowledge of leadership in an organisation Demonstrate knowledge of assessing, monitoring, and controlling risks to worker health in the extractive industries	Leadership and Worker Health Risk Management (5270)
31092	Demonstrate knowledge of conveyors, and crushing and screening plant for extractive industries	Site Construction and Maintenance (4849)
32283	Explain hazards and controls associated with stockpiling and tip heads at extractive sites	
32284	Follow, maintain and recommend modifications for stockpiling and tip head management plans at an extractive site	

Schedule 12 - B-grade Alluvial Mine Manager unit standards

Unit No	Title	Micro-credential
6400	Manage first aid in an emergency situation	First Aid course
6401	Provide first aid	
6402	Provide basic life support	
7142 Or 28742	Demonstrate knowledge of the application of regulatory requirements to manage an extractive site Explain legislation related to health and safety, and supporting documents, applicable to an extractive site	Legislation and Regulatory Requirement (5295) – 7142 only No micro-credential currently available
8905	Demonstrate knowledge of construction and maintenance of working surfaces at an extractive site	Site Maintenance and Equipment Safety (5269)
23648	Demonstrate knowledge of and follow safe working practices at an extractive site	
16686	Conduct an incident investigation at an extractive site	Safety and Risk Management (5293) 19522, Undertake job safety analysis removed from SWI requirements but still in micro
28983	Carry out the risk management process	
26855	Analyse Human Factors present in workplace practices at an extractive site	
21155	Demonstrate knowledge of the management and use of water at an extractive site	Water Management and Environmental Effects (5289)
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29553	Demonstrate operational knowledge of New Zealand’s Coordinated Incident Management System functions and structure	Applied Coordinated Incident Management (5303)
29554	Apply operational knowledge of New Zealand’s Coordinated Incident Management System	
32158	Demonstrate basic knowledge of New Zealand’s Coordinated Incident Management System	
27563	Demonstrate knowledge of teams and team leadership in an organisation	Team Leadership and Worker Health (5268)
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31762	Demonstrate knowledge of assessing, monitoring, and controlling risks to worker health in the extractive industries	
8902	Prepare a safety inspection plan for extractive operations	Part of Develop Safety Inspections and Operating Procedures (5290)
31092	Demonstrate knowledge of conveyors, and crushing and screening plant for extractive industries	Site Construction and Maintenance (4849)
32283	Explain hazards and controls associated with stockpiling and tip heads at extractive sites	
32284	Follow, maintain and recommend modifications for stockpiling and tip head management plans at an extractive site	

Subpart B - Additional Competency Requirements

29 - Additional Competency Requirements for Work in Operations Using Explosives

Unit No	Title	Micro-credential
17694	Demonstrate knowledge of explosives and their properties	Explosives Properties and Storage (5291)
21152	Demonstrate and apply knowledge of storing explosives for use	