

This document shows how the Extractive micro-credentials map to the Safe Work Instrument (SWI) 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 Hanga-Aro-Rau - "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 Hanga-Aro-Rau - "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 for 28742 |
| 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 |
| 26855 | Analyse Human Factors present in workplace practices at an extractive site | |
| 28983 | Carry out the risk management process | |
| 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 |
| 26855 | Analyse Human Factors present in workplace practices at an extractive site | |
| 28983 | Carry out the risk management process | |
| 21151 | Demonstrate knowledge of planning rehabilitation operations for an extractive site | Environmental Effects (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 for 28742 |
| 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 |
| 26855 | Analyse Human Factors present in workplace practices at an extractive site | |
| 28983 | Carry out the risk management process | |
| 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 |
| 26855 | Analyse Human Factors present in workplace practices at an extractive site | |
| 28983 | Carry out the risk management process | |
| 21151 | Demonstrate knowledge of planning rehabilitation operations for an extractive site | Environmental Effects (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 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 for 28742 |
| 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 |
| 26855 | Analyse Human Factors present in workplace practices at an extractive site | |
| 28983 | Carry out the risk management process | |
| 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 | |

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 | |