



# Updating ANZSCO

Reflecting a modern Australian labour market



## ANZSCO [Preliminary] Proposed Changes

Version 2.0

Mining

ANZSCO Comprehensive Review

Australian Bureau of Statistics

17/6/2024



# Updating ANZSCO

Reflecting a modern Australian labour market



## Essential Notes

The Australian and New Zealand Statistical Classification of Occupations (ANZSCO) describes all occupations for the Australian and New Zealand labour market.

The ABS has undertaken a comprehensive review of the Australian and New Zealand Standard Classification of Occupations (ANZSCO) to reflect the contemporary labour market and better meet stakeholders' needs. Public consultation rounds were held across 2023, with each round targeting selected occupations grouped by focus area.

Statistics New Zealand (Stats NZ) have elected not to participate in the current review and therefore occupation changes have only been considered in respect of the Australian labour market.

## Updates to document

This document has been updated based on stakeholder feedback and further research. Minor updates have been made to a handful of occupations. The format of the document has also been updated to improve usability based on feedback received. A preliminary proposed changes document has been created for each of the 43 focus areas. Focus areas were designed to group occupations for consultation purposes only and will not be present in the classification structure.

The preliminary proposed changes presented do not include the full scope of not elsewhere classified categories (nec). Exclusion statements are incomplete and do not reference specific occupation locations within the classification. Outstanding nec categories, exclusion statements and final tweaks to occupations are currently being finalised in preparation for the release of the draft proposed classification in July on the ABS website. The July release will provide users with an opportunity to provide feedback on the structure of the proposed changes, before finalising the update for release by December 2024. These preliminary proposed changes documents are for information only.

## Task lists

ABS recognises the potential of Artificial Intelligence (AI) to enhance our operations and efficiency. To this end, we have employed AI to assist in the creation of initial task lists. However, human experts are responsible for the final content, and AI serves as a tool, not a decision-maker. We value stakeholder input and incorporate it into our editing process placing importance on stakeholder submissions and other relevant research contributions.

Learn more about ANZSCO and the review at [Updating ANZSCO | Australian Bureau of Statistics \(abs.gov.au\)](https://www.abs.gov.au/anzSCO)

## Occupations in the Mining focus area include:

133513 Production Manager (Mining).....	5
312913 Mine Deputy.....	6
712211 Driller .....	7
712212 Miner.....	8
712213 Shot Firer .....	9
821912 Driller's Assistant .....	10
821914 Mining Support Worker .....	11



## About the focus area

The Mining focus area covers occupations which require specialised knowledge and skills to:

- plan and develop strategies for the production activities of a mining operation, and organise and coordinate the allocation of physical and human resources
- ensure compliance with safety regulations and procedures in mining operations and inspect mining areas to identify potential hazards and risks
- operate drill rigs and related equipment to facilitate subsurface exploration and extraction of ore, liquids or gases
- operate mining equipment to excavate coal, ore, and rock, and collect and analyse samples to determine the quality and composition of minerals
- inspect and prepare blast sites for explosives, assemble and position explosives according to safety regulations and blast plans, and detonate explosives using appropriate methods and techniques
- assist in setting up drilling equipment and machinery at drilling sites, and the installation and maintenance of drill casings and pipes.

## Summary of consultation

There was a shared consensus among stakeholders that mining related occupations required relatively minor adjustments, mainly focusing on lead statement refinements and the addition of specialisations. However, one notable proposal resulted in an increase to the skill levels for Drillers and Driller's Assistants, reflecting a significant recommendation in this domain.

## 133513 Production Manager (Mining)

<b>Existing</b>	<b>Proposed</b>
<p>133513 Production Manager (Mining)</p> <p>Alternative Titles:</p> <ul style="list-style-type: none"><li>• Mine Manager</li><li>• Mine Superintendent</li></ul> <p>Plans, organises, directs, controls and coordinates the production activities of a mining operation including physical and human resources.</p> <p>Skill Level: 1</p> <p>Specialisation:</p> <ul style="list-style-type: none"><li>• Quarry Manager</li></ul>	<p>133513 Production Manager (Mining)</p> <p>Alternative Titles:</p> <ul style="list-style-type: none"><li>• Mine Manager</li><li>• Mine Superintendent</li></ul> <p>Plans, organises, directs, controls and coordinates the production activities of a mining operation, including physical and human resources.</p> <p>Skill Level: 1</p> <p>Main Tasks:</p> <ul style="list-style-type: none"><li>• Plans and develops strategies for the production activities of a mining operation and organises and coordinates the allocation of physical and human resources</li><li>• Directs and controls the implementation of production plans and schedules</li><li>• Monitors and evaluates the performance of mining production activities</li><li>• Develops and implements quality control measures for mining production and ensures compliance with safety and environmental regulations</li><li>• May oversee short term mine design activities</li></ul> <p>Specialisations:</p> <ul style="list-style-type: none"><li>• Offshore Installation Manager (Mining)</li><li>• Quarry Manager (Open Pit Mining)</li><li>• Underground Mining Manager</li></ul>

## 312913 Mine Deputy

Existing	Proposed
<p>312913 Mine Deputy</p> <p>Oversees the safety of mining operations and supervises Miners.</p> <p>Registration or licensing is required.</p> <p>Skill Level: 2</p> <p>Specialisations:</p> <ul style="list-style-type: none"><li>• Mining Technician</li><li>• Open Cut Examiner</li></ul>	<p>312913 Mining Supervisor</p> <p>Alternative Titles:</p> <ul style="list-style-type: none"><li>• Mine Deputy</li><li>• Mining Leading Hand</li></ul> <p>Oversees the safety of mining operations and supervises Miners.</p> <p>Registration or licensing is required.</p> <p>Skill Level: 2</p> <p>Main Tasks:</p> <ul style="list-style-type: none"><li>• Supervises and coordinates the work of miners</li><li>• Ensures compliance with safety regulations and procedures in mining operations</li><li>• Inspects mining areas to identify potential hazards and risks</li><li>• Trains and educates miners on safety protocols and procedures</li><li>• Monitors and evaluates the performance of miners in relation to safety practices</li></ul> <p>Specialisations:</p> <ul style="list-style-type: none"><li>• Explosive Risk Zone (ERZ) Controller</li><li>• Mining Production Supervisor</li><li>• Open Cut Examiner</li><li>• Quarry Supervisor (Open Pit Mining)</li><li>• Underground Mining Supervisor</li></ul>

## 712211 Driller

Existing	Proposed
<p>712211 Driller</p> <p>Alternative Title:</p> <ul style="list-style-type: none"><li>• Drilling Plant Operator</li></ul> <p>Assembles, positions and operates a drilling rig and related equipment to extract ore, liquids or gases from the earth.</p> <p>Registration or licensing may be required.</p> <p>Skill Level: 4</p> <p>Specialisations:</p> <ul style="list-style-type: none"><li>• Directional Driller</li><li>• Exploration Driller</li><li>• Jumbo Operator</li><li>• Power Tong Operator</li><li>• Raise Drill Operator</li><li>• Rig Manager</li><li>• Rock Drill Operator</li><li>• Stope Miner</li><li>• Tool Pusher</li></ul>	<p>712214 Driller</p> <p>Assembles, positions and operates drilling rigs and related equipment for exploration or to extract ore, liquids or gases from the earth.</p> <p>Registration or licensing may be required.</p> <p>Skill Level: 3</p> <p>Main Tasks:</p> <ul style="list-style-type: none"><li>• Operates drill rigs and related equipment to facilitate subsurface exploration and extraction of ore, liquids or gases</li><li>• Monitors drilling operations and adjusts equipment as necessary</li><li>• Inspects and maintains drilling equipment and tools</li><li>• Records drilling data and maintains accurate records</li><li>• Tests and evaluates drill samples to determine the composition of extracted material</li><li>• May supervise and direct the work of Driller's Offsiders</li></ul> <p>Specialisations:</p> <ul style="list-style-type: none"><li>• Blast Hole Driller</li><li>• Diamond Driller</li><li>• Directional Driller</li><li>• Exploration Driller</li><li>• Jumbo Operator</li><li>• Rig Manager</li></ul>

## 712212 Miner

Existing	Proposed
<p>712212 Miner</p> <p>Alternative Title:</p> <ul style="list-style-type: none"><li>• Mining Plant Operator</li></ul> <p>Operates plant to excavate, load and transport coal, ore and rock in an underground or open-cut mine.</p> <p>Registration or licensing may be required.</p> <p>Skill Level: 4</p> <p>Specialisations:</p> <ul style="list-style-type: none"><li>• Bogger Operator</li><li>• Coal Cutter</li><li>• Dragline Operator</li><li>• Opal Miner</li><li>• Underground Truck Operator</li></ul>	<p>712212 Miner</p> <p>Alternative Titles:</p> <ul style="list-style-type: none"><li>• Mining Operator</li><li>• Mining Plant Operator</li></ul> <p>Operates plant to excavate, load and transport coal, ore, rock and other minerals in an underground or open-cut mine.</p> <p>Registration or licensing may be required.</p> <p>Skill Level: 4</p> <p>Main Tasks:</p> <ul style="list-style-type: none"><li>• Operates mining equipment to excavate coal, ore, rock and other minerals</li><li>• Loads materials onto trucks or conveyors for transportation</li><li>• Inspects equipment and performs routine maintenance and repairs</li><li>• Follows mining plans and procedures to extract minerals from the earth</li><li>• Assists in the installation and maintenance of underground support systems</li><li>• Collects and analyses samples to determine the quality and composition of minerals</li></ul> <p>Specialisations:</p> <ul style="list-style-type: none"><li>• Ancillary Operator (Mining)</li><li>• Bogger Operator</li><li>• Coal Miner</li><li>• Dragline Operator</li><li>• Gold Miner</li><li>• Iron Ore Miner</li><li>• Opal Miner</li><li>• Underground Truck Operator</li></ul>



## 712213 Shot Firer

Existing	Proposed
<p>712213 Shot Firer</p> <p>Alternative Title:</p> <ul style="list-style-type: none"><li>• Powder Monkey</li></ul> <p>Assembles, positions and detonates explosives at a mining or demolition site.</p> <p>Registration or licensing may be required.</p> <p>Skill Level: 4</p>	<p>712213 Shot Firer</p> <p>Assembles, positions and detonates explosives at a mining or demolition site.</p> <p>Registration or licensing is required.</p> <p>Skill Level: 4</p> <p>Main Tasks:</p> <ul style="list-style-type: none"><li>• Inspects and prepares blast sites for explosives</li><li>• Assembles and positions explosives according to safety regulations and blast plans</li><li>• Monitors weather conditions and adjusts blast plans accordingly</li><li>• Conducts pre-blast checks and ensures that the blast area is clear</li><li>• Detonates explosives using appropriate methods and techniques</li><li>• Inspects blast sites after detonation to assess the effectiveness of the blast and ensure safety standards are met</li><li>• Tests and maintains detonation equipment</li></ul> <p>Specialisations:</p> <ul style="list-style-type: none"><li>• Blast Crew Operator</li><li>• Charge Up Operator</li><li>• Drill and Blast Supervisor</li></ul>

## 821912 Driller's Assistant

Existing	Proposed
<p>821912 Driller's Assistant</p> <p>Alternative Titles:</p> <ul style="list-style-type: none"><li>• Driller's Offsider</li><li>• Roustabout (Oil and Gas)</li></ul> <p>Performs routine tasks in setting up, operating and dismantling drilling sites for extracting oil, gas, mineral ore or water.</p> <p>Skill Level: 5</p> <p>Specialisations:</p> <ul style="list-style-type: none"><li>• Derrick Hand</li><li>• Roughneck</li><li>• Well Treatment Offsider</li></ul>	<p>821917 Driller's Offsider</p> <p>Alternative Titles:</p> <ul style="list-style-type: none"><li>• Driller's Assistant</li><li>• Roustabout (Oil and Gas)</li></ul> <p>Performs routine tasks to assist Drillers, including setting up, operating and dismantling drilling sites for extracting oil, gas, mineral ore or water.</p> <p>Skill Level: 4</p> <p>Main Tasks:</p> <ul style="list-style-type: none"><li>• Assists in setting up drilling equipment and machinery at drilling sites, and the installation and maintenance of drill casings and pipes</li><li>• Operates drilling equipment under the supervision of Drillers</li><li>• Assists in the collection and analysis of drilling samples</li><li>• Cleans and maintains drilling equipment and work areas</li><li>• Assists in the dismantling and removal of drilling equipment and machinery</li><li>• Assists in the transportation of drilling equipment and materials to and from drill sites</li></ul>

## 821914 Mining Support Worker

Existing	Proposed
<p>821914 Mining Support Worker</p> <p>Alternative Title:</p> <ul style="list-style-type: none"><li>Mineral Ore Processing Labourer</li></ul> <p>Performs routine tasks in mining and mineral ore treating operations such as assembling, operating and dismantling mining equipment, taking ore, rock and dust samples, and mixing ore treating chemicals and catalysts.</p> <p>Skill Level: 5</p> <p>Specialisation:</p> <ul style="list-style-type: none"><li>Pit Crew Support Worker</li></ul>	<p>821914 Mining Support Worker</p> <p>Performs routine tasks in mining and mineral ore treating operations such as assembling, operating and dismantling mining equipment, taking ore, rock and dust samples, and mixing ore treating chemicals and catalysts.</p> <p>Skill Level: 5</p> <p>Main Tasks:</p> <ul style="list-style-type: none"><li>Assembles and operates mining equipment according to instructions</li><li>Dismantles mining equipment and ensures proper storage and maintenance</li><li>Takes ore, rock, and dust samples for analysis and testing</li><li>Mixes ore treating chemicals and catalysts according to specified ratios</li><li>Assists in the transportation of ore, rock, and other materials within the mining site</li><li>Cleans and maintains work areas and equipment</li></ul> <p>Specialisations:</p> <ul style="list-style-type: none"><li>Mineral Sampler</li><li>Nipper (Mining)</li></ul>