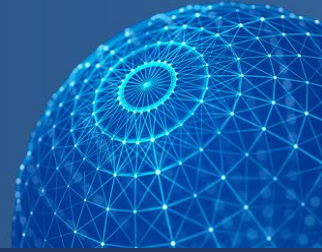# Updating **ANZSCO**
Reflecting a modern Australian labour market

ANZSCO [Preliminary] Proposed Changes
Version 2.0

Telecommunications

ANZSCO Comprehensive Review

Australian Bureau of Statistics

17/6/2024

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)

Occupations in the Telecommunications focus area include:

About the focus area

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

- plan, design, build, configure and commission telecommunications devices, networks and systems, and ensures telecommunications systems interconnect with equipment from different manufacturers, service providers and users
- install, maintain, repair, detect and diagnose faults or malfunctions of telecommunication systems
- monitor telecommunications systems to assess performance levels and the need for updates, upgrades, enhancements, preventive maintenance and new systems.

Summary of consultation

Stakeholders indicated that changes were required to occupation descriptions to ensure that occupations reflect the modern telecommunications and electrical distribution industry.

263311 Telecommunications Engineer

Existing	Proposed
263311 Telecommunications Engineer Designs and develops telecommunications systems, devices, and products. Skill Level: 1 Specialisation: • Signals Officer (Army) (NZ)	263313 Telecommunications Engineer Alternative Title: • Telecommunications Network Engineer Plans, designs, develops and monitors telecommunication systems, networks, devices and broadcasting equipment. Skill Level: 1 Main Tasks: • Designs and develops telecommunications products, systems and networks • Monitors and maintains the performance of complex telecommunication products, networks and systems • Tests and evaluates telecommunications products, systems and networks to ensure functionality, performance and emergency contingency planning • Provides technical support and troubleshooting for telecommunication products, systems, and networks • Develops and implements system and network security measures, and ensures compliance with regulations and legislation Specialisation: • Signals Officer (Army) (NZ)

263312 Telecommunications Network Engineer

Existing	Proposed
263312 Telecommunications Network Engineer Alternative Titles: • Communications Consultant • Communications Specialist (ICT) • Telecommunications Consultant • Telecommunications Specialist Plans, designs, and monitors complex telecommunications networks and associated broadcast equipment. Skill Level: 1	Retire occupation and merge residual with proposed occupation; 263313 Telecommunications Engineer

313211 Radiocommunications Technician

Existing	Proposed
313211 Radiocommunications Technician Installs, maintains, repairs and diagnoses malfunctions of microwave, telemetry, multiplexing, satellite and other radio and electromagnetic wave communication systems. Skill Level: 2	313211 Radiocommunications Technician Installs, maintains, repairs and diagnoses malfunctions of microwave, telemetry, multiplexing, satellite and other radio and electromagnetic wave communication systems. Skill Level: 2 Main Tasks: • Installs and configures radio and communication systems • Operates, upgrades, and maintains radio communications technical instruments, infrastructure, devices, network systems, and field equipment • Diagnoses and troubleshoots malfunctions in radio and communication systems • Repairs or replaces faulty components in radio and communication systems • Tests, analyses performance data, validates and calibrates radio and communication equipment to ensure proper functioning • Monitors and analyses radio frequency signals to identify and resolve interference issues

313212 Telecommunications Field Engineer

Existing	Proposed
313212 Telecommunications Field Engineer Plans, designs, commissions, and monitors complex telecommunications networks and associated equipment, provides technical advice and information, and identifies complex problems and initiates action to resolve them. Skill Level: 2	313212 Telecommunications Field Engineer Plans, designs, commissions, and monitors complex telecommunications networks and associated equipment, provides technical advice and information, and identifies complex problems and initiates action to resolve them. Skill Level: 2 Main Tasks: - Plans and designs telecommunications networks and associated equipment - Commissions and monitors the installation of telecommunications networks and equipment - Provides technical advice and information to clients and colleagues - Identifies complex problems in telecommunications networks and equipment - Initiates action to resolve complex problems in telecommunications networks and equipment - Tests and evaluates the performance of telecommunications networks and equipment

313213 Telecommunications Network Planner

Existing	Proposed
313213 Telecommunications Network Planner Plans the development of customer access telecommunications network infrastructure. Skill Level: 2	313213 Telecommunications Network Designer Alternative Title: • Telecommunications Network Planner Plans and designs customer access telecommunications networks and configures enhancements and expansions. Skill Level: 2 Main Tasks: • Conducts surveys and studies to assess the current state of the telecommunications network infrastructure • Monitors the overall reliability, capacity and performance of the network • Analyses data and identifies areas for improvement and expansion in the network • Formulates strategies and plans for the enhancement of customer access to telecommunications network infrastructure • Creates detailed plans, cost estimates and budget proposals for network infrastructure projects • Collaborates with engineers and technicians to plan, design and implement network infrastructure projects • Coordinates with local authorities and utility companies to obtain necessary permits and approvals • Monitors the progress of network infrastructure projects against the specified time and budget • May troubleshoot equipment or systems issues as appropriate

313214 Telecommunications Technical Officer or Technologist

Existing	Proposed
313214 Telecommunications Technical Officer or Technologist Carries out specialised design and support functions in telecommunications engineering including optimisation and performance monitoring of telecommunications networks, diagnosis and repair of faults, and the selection and installation of equipment. Skill Level: 2	313214 Telecommunications Technical Officer or Technologist Carries out specialised design and support functions in telecommunications engineering including optimisation and performance monitoring of telecommunications networks, diagnosis and repair of faults, and the selection and installation of equipment. Skill Level: 2 Main Tasks: • Monitors and optimises the performance of telecommunications networks • Diagnoses and repairs faults in telecommunications networks • Selects and installs telecommunications equipment • Conducts tests and measurements on telecommunications equipment and networks

899914 Electrical or Telecommunications Trades Assistant

Existing	Proposed
899914 Electrical or Telecommunications Trades Assistant Assists Electrotechnology and Telecommunications Trades Workers to install and maintain electrical and telecommunications systems. Skill Level: 5	899914 Electrical or Telecommunications Trades Assistant Assists Electrotechnology and Telecommunications Trades Workers to install and maintain electrical and telecommunications systems. Skill Level: 5 Main Tasks: - Assists in the installation, maintenance and repair of electrical and telecommunications systems - Carries out basic electrical and telecommunications tasks under the guidance of trades workers - Assists in the testing and troubleshooting of electrical and telecommunications systems - Prepares materials and tools for electrical and telecommunications installations