

133111 – Construction Project Manager

ANZSCO Analysis	CURRENT	PROPOSED
Principal Occupation Title	133111 – CONSTRUCTION PROJECT MANAGER	
Alternative Title	Building and Construction Manager	
Lead Statement / definition	Plans, organises, directs, controls and coordinates construction of civil engineering and building projects, and the physical and human resources involved in the construction process. Registration or licensing may be required.	Plans, organises, directs, controls and coordinates construction of civil engineering and building projects, and the physical and human all resources involved in the construction process. Registration or licensing may be required.
Main Tasks or duties (a)	<ul style="list-style-type: none"> • interpreting architectural drawings and specifications • coordinating labour resources, and procurement and delivery of materials, plant and equipment • consulting with Architects, Engineering Professionals and other professionals, and Technical and Trades Workers • negotiating with building owners, property developers and subcontractors involved in the construction process to ensure projects are completed on time and within budget • preparing tenders and contract bids • operating and implementing coordinated work programs for sites • ensuring adherence to building legislation and standards of performance, quality, cost and safety • arranging submission of plans to local authorities • building under contract, or subcontracting specialised building services • overseeing the standard and progress of subcontractors' work 	<ul style="list-style-type: none"> • leading the coordination and prioritise resources across project/s • assessing and interpreting architectural drawings and specifications • coordinating labour coordinating resources, and procurement and delivery of materials, plant and equipment • consulting with Architects, Engineering Professionals and other professionals, and Technical and Trades Workers • negotiating with building owners, property developers and subcontractors involved in the construction process to ensure projects are completed on time and within budget • managing links between projects and monitoring overall time, costs, quality, budget and risk; • negotiating with stakeholders throughout the construction process and project lifecycle • preparing developing tenders and contract bids • operating and implementing coordinated work programs for sites

	<ul style="list-style-type: none"> • arranging building inspections by local authorities 	<ul style="list-style-type: none"> • ensuring adherence to building legislation and standards of performance, quality, cost and safety • manage and monitor adherence to building legislation and standards of performance and safety • arranging submission of plans to local authorities • building under contract, or subcontracting specialised building services • managing submission of plans to local authorities and liaising with stakeholders to undertake relevant inspections throughout the project • overseeing the standard and progress of subcontractors' work • arranging building inspections by local authorities • leading and managing human resources including subcontractors including standards, progress and delivery of project and program requirements • managing change and implementation of projects and programs. • establishing and managing project plans to ensure alignment with program strategic goals and project outcomes
Skill Level	1	
Registration or Licensing	Registration or licensing may be required	
Specialisations		Shipbuilding Program Manager

	CURRENT	PROPOSED
Unit Group	1331 – Construction Managers	
Lead Statement / definition	CONSTRUCTION MANAGERS plan, organise, direct, control and coordinate the construction of civil engineering projects, buildings and dwellings, and the physical and human resources involved in building and construction.	CONSTRUCTION MANAGERS plan, organise, direct, control and coordinate the construction of civil engineering projects, buildings and dwellings, and the physical and human resources involved in building and construction.

224214 - Records Manager

	CURRENT	PROPOSED
Principal Occupation Title	224214 RECORDS MANAGER	
Alternative Title	N/A	
Lead Statement / definition	Designs, implements and administers record systems and related information services, to support efficient access, movement, updating, storage, retention and disposal of files and other organisational records	
Main Tasks or duties (a)	<ul style="list-style-type: none"> evaluating and preserving records for administrative, historical, legal, evidential and other purposes preparing record-keeping systems, indexes, guides and procedures for archival research and for the retention and destruction of records identifying and classifying specimens and objects, and arranging restoration work examining items and arranging examinations to determine condition and authenticity designing and revising medical record forms managing organisations' central records systems analysing the record-keeping needs of organisations, and translating these needs into record management systems maintaining computerised and other record management systems and record forms, and advising on their usage controlling access to confidential information, and recommending codes of practice and procedures for accessing records developing record cataloguing, coding and classification systems, and monitoring their use 	<ul style="list-style-type: none"> evaluating and preserving records for administrative, historical, technical change management, legal, evidential and other purposes preparing maintaining record-keeping systems, indexes, guides and procedures for archival research and for the retention and destruction of records identifying and classifying specimens and objects, and arranging restoration work examining items and arranging examinations to determine condition and authenticity designing and revising medical record data collection forms managing organisations' central records systems (b) analysing the record-keeping, policy and procedural, needs of organisations, and translating these needs into record management systems maintaining computerised and other record management systems and record forms, and advising on their usage controlling access to confidential information, and recommending codes of practice and procedures for accessing records developing record cataloguing, coding and classification systems, and monitoring their use (b)

Skill Level	1	
Registration or Licensing	N/A	
Specialisations	Freedom of Information Officer	Configuration Management Technician (Naval Shipbuilding) Freedom of Information Officer
<p>(a) ANZSCO does not specify “Main Tasks or Duties” for each occupation – they are defined for the Unit Group.</p> <p>(b) Both deleted main tasks relate to analogue records management. The modified wording of other main tasks has been selected to ensure the occupation’s scope does not change (ie. both deleted main tasks are part of the modified wording of other main tasks).</p>		

224711 - Management Consultant

ANZSCO Analysis	CURRENT	PROPOSED
Principal Occupation Title	224711 - MANAGEMENT CONSULTANT	
Alternative Title	Business Consultant	
Lead Statement / definition	Assists organisations to achieve greater efficiency and solve organisational problems.	Assists organisations to achieve greater efficiency and solve organisational problems which exclude the deployment of quality systems and certification processes.
Main Tasks or duties	<ul style="list-style-type: none"> • assisting and encouraging the development of objectives, strategies and plans aimed at achieving customer satisfaction and the efficient use of organisations' resources • discussing business and organisational shortcomings with clients • analysing and evaluating current systems and structures • discussing current systems with staff and observing systems at all levels of organisation • directing clients towards more efficient organisation and developing solutions to organisational problems • undertaking and reviewing work studies by analysing existing and proposed methods and procedures such as administrative and clerical procedures • recording and analysing organisations' work flow charts, records, reports, manuals and job descriptions • preparing and recommending proposals to revise methods and procedures, alter work flows, redefine job functions and resolve organisational problems 	<ul style="list-style-type: none"> • assisting and encouraging the development of objectives, strategies and plans aimed at achieving optimal customer experience and satisfaction and the effective use of organisations' resources and capabilities • identifying and discussing business and organisational shortcomings gaps and opportunities through application of continuous improvement and change methodologies with clients • analysing and evaluating current systems, capabilities and structures • discussing current systems with staff and observing systems at all levels of organisation • advising directing clients on recommendations based on analysis of current-state gaps to provide solutions to organisational problems • undertaking and reviewing work studies by analysing existing and proposed methods and procedures such as administrative and clerical procedures • recording and analysing organisations' work flow charts, records, reports, manuals and job descriptions

	<ul style="list-style-type: none"> • assisting in implementing approved recommendations, issuing revised instructions and procedure manuals, and drafting other documentation • reviewing operating procedures and advising of departures from procedures and standards 	<ul style="list-style-type: none"> • preparing and recommending proposals to revise methods and procedures, alter work flows, redefine job functions and support organisational innovation and improvements. • assisting in implementing approved recommendations, issuing revised instructions and procedure manuals, and drafting other documentation reviewing operating procedures and advising of departures from procedures and standards
Skill Level	1	
Registration or Licensing	n/a	
Specialisations	Business Analyst	Business Analyst Business Improvement Manager

	CURRENT	PROPOSED
Unit Group	2247 – MANAGEMENT AND ORGANISATION ANALYSTS	
Lead Statement / definition	<p>MANAGEMENT AND ORGANISATION ANALYSTS assist organisations to achieve greater efficiency and solve organisational problems, and study organisational structures, methods, systems and procedures.</p> <p>ICT Business Analysts are excluded from this unit group. ICT Business Analysts are included in Unit Group 2611 ICT Business and Systems Analysts.</p>	<p>MANAGEMENT AND ORGANISATION ANALYSTS assist organisations to achieve outcomes, continual improvement and greater organisational efficiency. and solve organisational problems, and They study organisational structures, methods, risks, systems and procedures.</p> <p>ICT Business Analysts are excluded from this unit group. ICT Business Analysts are included in Unit Group 2611 ICT Business and Systems Analysts.</p>

233411 – Electronics Engineer

	CURRENT	PROPOSED
Principal Occupation Title	233411 – Electronics Engineer	
Alternative Title	N/A	
Lead Statement / definition	Designs, develops, adapts, installs, tests and maintains electronic components, circuits and systems used for computer systems, communication systems, entertainment, transport and other industrial applications.	Designs, develops, adapts, installs, tests and maintains electronic components, circuits and systems used for computer, communication, command and warfare systems , entertainment, transport and other industrial applications.
Main Tasks or duties	<ul style="list-style-type: none"> • designing electronic components, circuits and systems used for computer, communication and control systems, and other industrial applications • designing software, especially embedded software, to be used within such systems • developing apparatus and procedures to test electronic components, circuits and systems • supervising installation and commissioning of computer, communication and control systems, and ensuring proper control and protection methods • establishing and monitoring performance and safety standards and procedures for operation, modification, maintenance and repair of such systems • designing communications bearers based on wired, optical fibre and wireless communication media • analysing communications traffic and level of service, and determining the type of installation, location, layout and transmission medium for communication systems • designing and developing signal processing algorithms and implementing these through appropriate choice of hardware and software 	<ul style="list-style-type: none"> • designing electronic components, circuits and systems used for computer, communication and control systems, command and warfare systems, and other industrial applications • designing software, especially embedded software, to be used within such systems • developing apparatus and procedures to test electronic components, circuits and systems • supervising installation and commissioning of computer, communication and control systems, and ensuring proper control and protection methods • establishing and monitoring performance and safety standards and procedures for operation of, modification, maintenance and repair of such systems • designing communications bearers based on wired, optical fibre and wireless communication media • analysing communications traffic and level of service, and determining the type of installation, location, layout and transmission medium for communication systems • designing and developing signal processing algorithms and implementing these through appropriate choice of hardware and software

		<ul style="list-style-type: none"> designing the architecture, modelling and integration of communication and control systems, command and warfare systems, and other industrial applications
Skill Level	1	
Registration or Licensing	Registration or licensing may be required	
Specialisations	Communications Engineer (Army)	Combat System Engineer Communications Engineer (Army)

	CURRENT	PROPOSED
Unit Group	2334 – Electronics Engineer	
Lead Statement / definition	ELECTRONICS ENGINEERS design, develop, adapt, install, test and maintain electronic components, circuits and systems used for computer systems, communication systems, entertainment, transport and other industrial applications.	ELECTRONICS ENGINEERS design, develop, adapt, install, test and maintain electronic components, circuits and systems used for computer, communication, command and warfare systems , entertainment, transport and other industrial applications.

233511 - Industrial Engineer

ANZSCO Analysis	CURRENT	PROPOSED
Principal Occupation Title	233511 - INDUSTRIAL ENGINEER	
Alternative Title	N/A	
Lead Statement / definition	Investigates and reviews the utilisation of personnel, facilities, equipment and materials, current operational processes and established practices, to recommend improvement in the efficiency of operations in a variety of commercial, industrial and production environments.	Investigates and reviews the logistics and utilisation of personnel, facilities, equipment and materials, current operational processes and established practices, to recommend improvement in the quality and efficiency of operations in a variety of commercial, industrial and production environments.
Main Tasks or duties	<ul style="list-style-type: none"> • studying functional statements, organisational charts and project information to determine functions and responsibilities of workers and work units and to identify areas of duplication • establishing work measurement programs and analysing work samples to develop standards for labour utilisation • analysing workforce utilisation, facility layout, operational data and production schedules and costs to determine optimum worker and equipment efficiencies • designing mechanical equipment, machines, components, products for manufacture, and plant and systems for construction • developing specifications for manufacture, and determining materials, equipment, piping, material flows, capacities and layout of plant and systems • organising and managing project labour and the delivery of materials, plant and equipment • establishing standards and policies for installation, modification, quality control, testing, inspection and 	<ul style="list-style-type: none"> • studying reviewing functional statements, organisational charts and project information to determine functions and responsibilities of workers and work units and to identify areas of duplication • establishing work measurement programs and analysing work samples to develop standards for labour utilisation • analysing workforce utilisation, facility layout, operational data and production schedules and costs to determine optimum worker and equipment efficiencies • designing mechanical equipment, machines, components, products for manufacture, and plant and systems for construction • developing specifications for manufacture, and determining materials, equipment, piping, material flows, capacities and layout of plant, construction and systems • organising and managing project labour and the delivery of materials, plant and equipment • establishing standards and policies for installation, modification, quality control, testing, inspection, and

	<p>maintenance according to engineering principles and safety regulations</p> <ul style="list-style-type: none"> inspecting plant to ensure optimum performance is maintained directing the maintenance of plant buildings and equipment, and coordinating the requirements for new designs, surveys and maintenance schedules 	<p>maintenance according to engineering principles and safety regulations</p> <ul style="list-style-type: none"> carrying out inspections plant to ensure optimum performance is maintained directing the maintenance of plant buildings, equipment, and coordinating the requirements for new designs, surveys and maintenance schedules
Skill Level	1	
Registration or Licensing	Registration or licensing may be required	
Specialisations	Process Engineer (Industrial)	Integrated Logistics Support Engineer Engineering Assurance Engineer Process Engineer (Industrial) <u>(b)</u>

	CURRENT	PROPOSED
Unit Group	2335 – Industrial, Mechanical and Production Engineers	
Lead Statement / definition	INDUSTRIAL, MECHANICAL AND PRODUCTION ENGINEERS design, organise and oversee the construction, operation and maintenance of mechanical and process plant and installations, establish programs for the coordination of manufacturing activities, and ensure usage of resources is cost effective.	INDUSTRIAL, MECHANICAL AND PRODUCTION ENGINEERS design, organise and oversee the construction, operation, logistics and maintenance of mechanical and process plant and installations, establish programs for the coordination of manufacturing activities, and ensure usage of resources is cost effective.

233513 – Production or Plant Engineer

	CURRENT	PROPOSED
Principal Occupation Title	233513 – PRODUCTION OR PLANT ENGINEER	
Alternative Title	N/A	
Lead Statement / definition	Plans, directs and coordinates the design, construction, modification, continued performance and maintenance of equipment and machines in industrial plants, and the management and planning of manufacturing activities.	
Main Tasks or duties (a)	<ul style="list-style-type: none"> • studying functional statements, organisational charts and project information to determine functions and responsibilities of workers and work units and to identify areas of duplication • establishing work measurement programs and analysing work samples to develop standards for labour utilisation • analysing workforce utilisation, facility layout, operational data and production schedules and costs to determine optimum worker and equipment efficiencies • designing mechanical equipment, machines, components, products for manufacture, and plant and systems for construction • developing specifications for manufacture, and determining materials, equipment, piping, material flows, capacities and layout of plant and systems • organising and managing project labour and the delivery of materials, plant and equipment • establishing standards and policies for installation, modification, quality control, testing, inspection and 	

	<p>maintenance according to engineering principles and safety regulations</p> <ul style="list-style-type: none"> • inspecting plant to ensure optimum performance is maintained • directing the maintenance of plant buildings and equipment, and coordinating the requirements for new designs, surveys and maintenance schedules 	
Skill Level	1	
Registration or Licensing	N/A	
Specialisations	Automation and Control Engineer	Automation and Control Engineer Maintenance Engineer (Shipbuilding)

233914 – Engineering Technologist

	CURRENT	PROPOSED
Principal Occupation Title	233914 – ENGINEERING TECHNOLOGIST	
Alternative Title	N/A	
Lead Statement / definition	Analyses the statical properties of all types of structures, tests the behaviour and durability of materials used in their construction, and designs and supervises the construction of all types of structures	
Main Tasks or duties	N/A	
Skill Level	1	
Registration or Licensing	Registration or licensing may be required	
Specialisations	Aeronautical Engineering Technologist Agricultural Engineering Technologist Biomedical Engineering Technologist Chemical Engineering Technologist Industrial Engineering Technologist Mining Engineering Technologist	Aeronautical Engineering Technologist Agricultural Engineering Technologist Biomedical Engineering Technologist Chemical Engineering Technologist Industrial Engineering Technologist Mining Engineering Technologist Safety Engineering Technologist Structural Engineering Technologist

233916 - Naval Architect / Marine Designer

	CURRENT	PROPOSED
Principal Occupation Title	233916 - NAVAL ARCHITECT / MARINE DESIGNER	
Alternative Title	N/A	
Lead Statement / definition	Designs and oversees the construction and repair of marine craft and floating structures.	
Main Tasks or duties	N/A	
Skill Level	1	
Registration or Licensing	Registration or licensing may be required	
Specialisations		Shipbuilding Designer

233999 – Engineering Professionals nec

ANZSCO Analysis	CURRENT	PROPOSED
Principal Occupation Title	233999 – ENGINEERING PROFESSIONALS NEC	
Alternative Title	N/A	
Lead Statement / definition	This occupation group covers Engineering Professionals not elsewhere classified.	
Main Tasks or duties	N/A	
Skill Level	1	
Registration or Licensing	Registration or licensing may be required	
Specialisations/Occupations (b)	Acoustic Engineer Calibration Engineer Corrosion Engineer Fire Safety Engineer Mechatronics Engineer Packaging Technologist Product Design Engineer	Acoustic Engineer Calibration Engineer Corrosion Engineer Fire Safety Engineer Mechatronics Engineer Packaging Technologist Product Design Engineer Safety Engineer Test and Activation Engineer (Naval Shipbuilding)

234912 – Metallurgist

ANZSCO Analysis	CURRENT	PROPOSED
Principal Occupation Title	234912 - Metallurgist	
Alternative Title	N/A	
Lead Statement / definition	Researches, develops, controls and provides advice on processes used in extracting metals from their ores, and processes used for casting, alloying, heat treating or welding refined metals, alloys and other materials to produce commercial metal products or develop new alloys and processes.	Researches, develops, tests , controls and provides advice on processes used in extracting metals from their ores, and processes used for casting, alloying, heat treating or welding refined metals, alloys and other materials to produce commercial metal products or develop new alloys, techniques and processes.
Main Tasks or duties	N/A	
Skill Level	1	
Registration or Licensing	Registration or licensing may be required	
Specialisations	Hydrometallurgical Engineer Metallographer Pyrometallurgical Engineer Radiological Metallurgist	Hydrometallurgical Engineer Metallographer Pyrometallurgical Engineer Radiological Metallurgist Welding Engineer (Naval Shipbuilding)

	CURRENT	PROPOSED
Unit Group	2349 – Other Natural and Physical Science Professionals	
Lead Statement / definition	This unit group covers Natural and Physical Science Professionals not elsewhere classified. It includes Conservators, Metallurgists, Meteorologists and Physicists.	This unit group covers Natural and Physical Science Professionals not elsewhere classified. It includes Conservators, Metallurgists, Meteorologists, Physicists and Exercise Physiologists.

312412 – Electronic Engineering Technician

ANZSCO Analysis	CURRENT	PROPOSED
Principal Occupation Title	312412 – ELECTRONIC ENGINEERING TECHNICIAN	
Alternative Title	N/A	
Lead Statement / definition	Conducts tests of electronic systems, collects and analyses data, and assembles circuitry in support of Electronics Engineers and Engineering Technologists. Registration or licensing may be required.	
Main Tasks or duties	<ul style="list-style-type: none"> • preparing drawings, plans and diagrams for electronic engineering work • developing, constructing and testing electronic equipment and associated circuitry in accordance with technical manuals and instructions of Electronics Engineers and Engineering Technologists • performing tests, graphing results, preparing charts and tabulations • estimating material costs and quantities • evaluating performance of equipment • inspecting designs and finished products for compliance with specifications, drawings, contracts and regulations • installing, testing, repairing and modifying electronic equipment 	<ul style="list-style-type: none"> • preparing drawings, modelling, plans and integration diagrams for electronic engineering and systems • developing, constructing and testing electronic equipment and associated circuitry in accordance with technical requirements manuals and instructions of Electronics Engineers and Engineering Technologists • installing, testing, verification, repairing and modifying electronic equipment and recording and graphing results • performing tests, graphing results, preparing charts and tabulations • estimating material costs and quantities • evaluating performance of equipment • inspecting designs and finished products for compliance with specifications, drawings, contracts and regulations installing, testing, verification, repairing and modifying electronic equipment
Skill Level	2	
Registration or Licensing	Registration or licensing may be required	

Specialisations	Aircraft Electronics Technical Officer Communications Engineering Technical Officer Communications Engineering Technician Computer Numeric Control Technical Officer Digital Controls Technical Officer Flight Surveyor Printed Circuit Board Designer Process Control Technician Telemetry Technician	Aircraft Electronics Technical Officer Technician Communications Engineering Technical Officer Communications Engineering Technician Computer Numeric Control Technical Officer Technician Digital Controls Technical Officer Technician Flight Surveyor Printed Circuit Board Designer Process Control Technician Telemetry Technician Combat Systems Technician
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	CURRENT	PROPOSED
Unit Group	3124 – Electronic Engineering Draftsperson and Technician	
Lead Statement / definition	ELECTRONIC ENGINEERING DRAFTSPERSONS AND TECHNICIANS assist in electronic engineering research, design, manufacture, assembly, construction, operation and maintenance of equipment, facilities and distribution systems.	ELECTRONIC ENGINEERING DRAFTSPERSONS AND TECHNICIANS assist in electronic engineering research, design, manufacture, assembly, construction, operation and maintenance of equipment, facilities and distribution systems.

312912 - Metallurgical or Materials Technician

ANZSCO Analysis	CURRENT	PROPOSED
Principal Occupation Title	312912 - METALLURGICAL OR MATERIALS TECHNICIAN	
Alternative Title	N/A	
Lead Statement / definition	Tests materials as part of mineral and metal processing and refining, or for research into metals, ceramics, polymers and other materials in support of Metallurgists and Materials Engineers.	Tests techniques, procedures, applications of equipment and materials as part of mineral and metal processing and refining and/or research into metals, ceramics, polymers and other materials. in support of Metallurgists and Materials Engineers.
Main Tasks or duties	N/A	
Skill Level	2	
Registration or Licensing	Registration or licensing may be required	
Specialisations	Dye Penetrant Testing Technician Heat Treatment Technician Magnetic Testing Technician Metallurgy Laboratory Technician Non-destructive Testing Technician Petroleum Products Laboratory Technician Petroleum Refinery Laboratory Technician Pressure Testing Technician Ultrasound Technician	Dye Penetrant Testing Technician Heat Treatment Technician Magnetic Testing Technician Metallurgy Laboratory Technician Non-destructive Testing Technician Petroleum Products Laboratory Technician Petroleum Refinery Laboratory Technician Pressure Testing Technician Ultrasound Technician Welding Engineering Technician

312999 - Building and Engineering Technicians nec

ANZSCO	CURRENT	PROPOSED	
Principal Occupation Title	312999 - Building and Engineering Technicians nec	312914 – Draftsperson	312999 - Building and Engineering Technicians nec
Alternative Title	n/a		
Lead Statement	This occupation group covers Building and Engineering Technicians not elsewhere classified.	Prepare detailed drawings, technical plans, maps, and illustrations to precise specifications.	This occupation group covers Building and Engineering Technicians not elsewhere classified.
Main Tasks or duties	n/a	n/a	
Skill Level	2	2	2
Registration / Licencing	Registration or licencing may be required	Registration or licencing may be required	Registration or licencing may be required
Specialisation		Aerospace Draftsperson Architecture Technician Mining Detail Draftsperson Shipbuilding Draftsperson	Aircraft Systems Technician (Air Force) Automation Technician Avionics Systems Technician (Air Force) Biomedical Technician Corrosion Technician