

223311 - Training and Development Professionals

	CURRENT	PROPOSED
Principal Occupation Title	223311 - Training and Development Professionals	
Alternative Title	Training Officer	
Lead Statement / definition	Plans, develops, implements and evaluates training and development programs to ensure management and staff acquire the skills and develop the competencies required by an organisation to meet organisational objectives.	
Main Tasks or duties	<ul style="list-style-type: none"> • identifying training needs and requirements of individuals and organisations • setting human resource development objectives and evaluating learning outcomes • preparing and developing instructional training material and aids such as handbooks, visual aids, online tutorials, demonstration models, and supporting training reference documentation • designing, coordinating, scheduling and conducting training and development programs that can be delivered in the form of individual and group instruction, and facilitating workshops, meetings, demonstrations and conferences • liaising with external training providers to arrange delivery of specific training and development programs • promoting internal and external training and development, and evaluating these promotional activities • monitoring and performing ongoing evaluation and assessment of training quality and effectiveness, and reviewing and modifying training objectives, methods and course deliverables 	No change from current – additional task added

	<ul style="list-style-type: none"> gathering, investigating and researching background materials to gain an understanding of various subject matters and systems advising management on the development and placement of staff, and providing career counselling for employees 	<ul style="list-style-type: none"> Providing advice and coaching to individuals and teams to build specific capabilities
Skill Level	Skill level 1	
Registration or Licensing	N/A	
Specialisations	Education officer (Air Force and Army) Training systems officer (Navy)	Education officer (Air Force and Army) Training systems officer (Navy) Project Management coach

Proposed retirement of unit group 2232 based on a very similar task list in both unit groups.

<p>Task List for: 2233 Training and Development Professionals</p> <ul style="list-style-type: none"> identifying training needs and requirements of individuals and organisations setting human resource development objectives and evaluating learning outcomes preparing and developing instructional training material and aids such as handbooks, visual aids, online tutorials, demonstration models, and supporting training reference documentation designing, coordinating, scheduling and conducting training and development programs that can be delivered in the form of individual and group instruction, and facilitating workshops, meetings, demonstrations and conferences liaising with external training providers to arrange delivery of specific training and development programs promoting internal and external training and development, and evaluating these promotional activities monitoring and performing ongoing evaluation and assessment of training quality and effectiveness, and reviewing and modifying training objectives, methods and course deliverables 	<p>Task List for: 2232 ICT Trainer</p> <ul style="list-style-type: none"> identifying technical training needs and requirements of individuals and organisations setting human resource development objectives and evaluating learning outcomes preparing and developing instructional training material and aids such as handbooks, visual aids, online tutorials, demonstration models, and supporting training reference documentation designing, coordinating, scheduling and conducting ICT training and development programs that can be delivered in the form of individual and group instruction, and facilitating workshops, meetings, demonstrations and conferences liaising with external training providers to arrange delivery of specific training and development programs promoting internal and external training and development, and evaluating these promotional activities monitoring and performing ongoing evaluation and assessment of training quality and effectiveness, and reviewing and modifying training objectives, methods and course deliverables
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- gathering, investigating and researching background materials to gain an understanding of various subject matters and systems
- advising management on the development and placement of staff, and providing career counselling for employees

- ~~gathering, investigating and researching background materials to gain a full understanding of the ICT subject matter and systems~~
- ~~keeping up to date with new product version releases, advances in programming languages, application development software, and general information technology trends~~
- ~~writing end user products and materials such as user training, tutorial and instruction manuals, online help, and operating and maintenance instructions~~

224113 - Statistician

	CURRENT	PROPOSED
Occupation	224113 - Statistician	
Alternative Title	n/a	
Lead Statement	Designs and applies statistical principles and techniques for collecting, organising and interpreting quantifiable data, and uses statistical methodologies to produce statistical reports and analyses for government, commercial and other purposes.	
Main Tasks (Unit group)	<ul style="list-style-type: none"> • formulating mathematical models to simulate processes 	
	<ul style="list-style-type: none"> • applying models to experimental observations, and adjusting and recasting the models 	
	<ul style="list-style-type: none"> • using numerical analysis methods to develop algorithms and perform computations 	
	<ul style="list-style-type: none"> • liaising with management and clients to determine the subject or area to be surveyed or examined 	
	<ul style="list-style-type: none"> • specifying the data to be collected, and the methodology to be used in collection and analysis 	
	<ul style="list-style-type: none"> • evaluating and describing the reliability and utility of source information 	
	<ul style="list-style-type: none"> • analysing and interpreting data, and producing relevant statistics to describe and infer particular trends and patterns 	
Skill Level	1	
Registration/ Licencing	Registration or licensing may be required	
Specialisations	Biometrician	No change
	Demographer	
	Epidemiologist	
		Biostatistician

225112 - Market Research Analyst

	CURRENT	PROPOSED
Principal Occupation Title	225112 - Market Research Analyst	225112 - Marketing Analyst
Alternative Title	N/A	Market research analyst
Lead Statement / definition	Determines the market for new goods and services, develops advertising strategies, and evaluates the best business sites for commercial organisations.	Analyses information to better understand the target market, as well as customer and competitor behaviour. Monitors existing markets for goods and services; recommends changes to marketing and advertising strategies as necessary. Determines the market for new goods and services.
Main Tasks or duties	<ul style="list-style-type: none"> • planning, developing and organising advertising policies and campaigns to support sales objectives • advising executives and clients on advertising strategies and campaigns to reach target markets, creating consumer awareness and effectively promoting the attributes of goods and services • coordinating production of advertising campaigns involving specialised activities, such as artwork, copywriting, media scripting, television and film production and media placement, within time and budget constraints • analysing data regarding consumer patterns and preferences • interpreting and predicting current and future consumer trends • researching potential demand and market characteristics for new goods and services and collecting and analysing data and other statistical information • supporting business growth and development through the preparation and 	

	<p>execution of marketing objectives, policies and programs</p> <ul style="list-style-type: none"> • commissioning and undertaking market research to identify market opportunities for new and existing goods and services • advising on all elements of marketing such as product mix, pricing, advertising and sales promotion, selling, and distribution channels 	
Skill Level	Skill level 1	
Registration or Licensing	N/A	
Specialisations	N/A	Digital marketing analyst

225113 - Marketing Specialist

	CURRENT	PROPOSED	PROPOSED
Principal Occupation Title	225113 - Marketing Specialist	225113 - Marketing Specialist	225114 – Marketing content creator
Alternative Title	Marketing Consultant Marketing Coordinator Marketing Officer		Social media specialist Social media coordinator Social media manager
Lead Statement / definition	Identifies market opportunities and advises on the development, coordination and implementation of plans for pricing and promoting an organisation's goods and services.		Develops and implements marketing strategies. Creates and publishes marketing content for social media and digital platforms, to grow an audience, build brand awareness and increase sales.
Main Tasks or duties	<ul style="list-style-type: none"> • planning, developing and organising advertising policies and campaigns to support sales objectives • advising executives and clients on advertising strategies and campaigns to reach target markets, creating consumer awareness and effectively promoting the attributes of goods and services • coordinating production of advertising campaigns involving specialised activities, such as artwork, copywriting, media scripting, television and film 		No change to the existing tasks; the following to be added: <ul style="list-style-type: none"> • Planning and developing marketing strategies • Creating and publishing marketing content to social media platforms and websites

	<p>production and media placement, within time and budget constraints</p> <ul style="list-style-type: none"> • analysing data regarding consumer patterns and preferences • interpreting and predicting current and future consumer trends • researching potential demand and market characteristics for new goods and services and collecting and analysing data and other statistical information • supporting business growth and development through the preparation and execution of marketing objectives, policies and programs • commissioning and undertaking market research to identify market opportunities for new and existing goods and services • advising on all elements of marketing such as product mix, pricing, advertising and sales promotion, selling, and distribution channels 		
Skill Level	Skill level 1		Skill level 1
Registration or Licensing	N/A		N/A
Specialisations	<p>Brand Manager Category Manager Product Manager Sales Promotion Officer</p>		

234999 - Natural and Physical Science Professionals nec

	CURRENT	FOLLOWING PROPOSED CHANGES - 234999	FOLLOWING PROPOSED CHANGES – creation of 234612
Principal Occupation Title	234999 - Natural and physical science professionals nec Unit group 2349 - Other natural and physical science professionals	Proposed: 234999 - Natural and physical science professionals nec Unit group 2349 - Other natural and physical science professionals	234612, Respiratory Scientist Unit group 2346 - Medical scientists
Alternative Title	Materials Scientist Metrologist Polymer Scientist Respiratory Scientist Sleep Scientist	Materials Scientist Metrologist Polymer Scientist	N/A
Lead Statement / definition	This occupation group covers Natural and Physical Science Professionals not elsewhere classified.	No change	Conducts lung function tests to support the diagnosis and treatment of respiratory and sleep disorders, in consultation with other medical professionals.
Main Tasks or duties	No task list currently exists for this unit group as it's a Unit group nec	N/A	<ul style="list-style-type: none"> • preparing tissue sections for microscopic examination • examining and analysing samples to study the effects of microbial infections • developing techniques to aid in the diagnosis and treatment of disease and respiratory or sleep disorders • advising Medical Practitioners on the interpretation of tests and methods used in diagnosis and treatment • setting up the steps and rules of medical testing • operating and maintaining laboratory and testing equipment

			<ul style="list-style-type: none"> • maintaining laboratory and testing quality assurance and safety standards • preparing scientific papers and reports
Skill Level	1	No change from current	1
Registration or Licensing	N/A	N/A	N/A
Specialisations	N/A	N/A	N/A

261313 – Software Engineer (updated 8/10/2021)

ANZSCO	CURRENT	PROPOSED		
Principal Occupation Title	261313 – Software Engineer	261313 – Software Engineer	261315 – Cyber Security Engineer (a)	261316 – Devops Engineer (a)
Alternate Title	Software Architect Software Designer	No change	ICT Security Engineer Information Security Engineer	
Lead Statement	Designs, develops, modifies, documents, tests, implements, installs and supports software applications and systems.	No change	Designs, develops, modifies, documents, tests, implements, installs and supports cybersecurity software applications and systems; ensures they are fully integrated.	Facilitate and undertake communication, collaboration, integration and automation to improve efficiency and workflow across different specialist IT teams.
Main Tasks or duties	<ul style="list-style-type: none"> researching, consulting, analysing and evaluating system program needs identifying technology limitations and deficiencies in existing systems and associated processes, procedures and methods 	No change to existing; additions below:		

	<ul style="list-style-type: none">• testing, debugging, diagnosing and correcting errors and faults in an applications programming language within established testing protocols, guidelines and quality standards to ensure programs and applications perform to specification• writing and maintaining program code to meet system requirements, system designs and technical specifications in accordance with quality accredited standards• writing, updating and maintaining technical program, end user documentation and operational procedures	
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	<ul style="list-style-type: none"> providing advice, guidance and expertise in developing proposals and strategies for software design activities such as financial evaluation and costings for recommending software purchases and upgrades 			
		<ul style="list-style-type: none"> Managing testing and automation of software and application deployments Collection and analysing operational metrics Developing continuous improvement and continuous delivery strategies across system design and software development 		
Skill Level	1	No change	1	1
Registration / Licencing	n/a	No change	n/a	n/a
Specialisation	Computer Applications Engineer Database Designer Systems Architect	No change	n/a	n/a
<p>(a) Updated 8/10/2021: The previous version of this document proposed code 261314 for new occupation <i>Cyber Security Engineer</i>. This was an error as code 261314 is assigned to the current occupation <i>Software Tester</i>. The codes for the two proposed new occupations <i>Cyber Security Engineer</i> and <i>Devops Engineer</i> have been amended accordingly.</p>				

263299 - ICT Support and Test Engineers nec

	CURRENT	PROPOSED (After removal of User experience designer)	PROPOSED
Principal Occupation Title	263299 ICT Support and Test engineers nec	263299 ICT Support and Test engineers nec	263214 – User experience designer (ICT)
Alternative Title	N/A		UX Designer User Interface Designer UI Designer
Lead Statement / definition	This occupation group covers ICT Support and Test Engineers not elsewhere classified.		A user experience designer is involved in the end to end development process. This includes user research and consultation, strategy, design, branding, usability, function and testing. User Experience Designers predominantly work with digital tools, such as apps and websites.
Main Tasks or duties	<ul style="list-style-type: none"> planning, developing and organising advertising policies and campaigns to support sales objectives advising executives and clients on advertising strategies and campaigns to reach target markets, creating consumer awareness and effectively promoting the attributes of goods and services coordinating production of advertising campaigns involving specialised activities, such as artwork, copywriting, media 		No change to current tasks; the following to be added: <ul style="list-style-type: none"> Consulting with users and programmers to design improvements to the functionality of websites, apps and systems

	<p>scripting, television and film production and media placement, within time and budget constraints</p> <ul style="list-style-type: none"> • analysing data regarding consumer patterns and preferences • interpreting and predicting current and future consumer trends • researching potential demand and market characteristics for new goods and services and collecting and analysing data and other statistical information • supporting business growth and development through the preparation and execution of marketing objectives, policies and programs • commissioning and undertaking market research to identify market opportunities for new and existing goods and services • advising on all elements of marketing such as product mix, pricing, advertising and sales promotion, selling, and distribution channels 		
Skill Level	Skill level 1		Skill level 1
Registration or Licensing	N/A		N/A
Specialisations	N/A		TBD

311299 - Medical Technicians nec

	CURRENT	PROPOSED - 311299	PROPOSED NEW OCC CODE - 311217
Principal Occupation Title	311299 - Medical technicians nec Unit group 3112 - Medical technicians	311299 - Medical technicians nec Unit group 3112 - Medical technicians	311217 - Respiratory technician Unit group 3112 - Medical technicians
Alternative Titles	N/A	N/A	Sleep Technician
Occupations Included	<ul style="list-style-type: none"> • Audiometrist • Dialysis Technician • Electroencephalographic Technician • Mortuary Technician • Neurophysiological Technician • Ophthalmic Technician • Orthotic and Prosthetic Technician • Perfusionist • Renal Technician • Respiratory Technician • Sleep Technician 	<ul style="list-style-type: none"> • Audiometrist • Dialysis Technician • Electroencephalographic Technician • Mortuary Technician • Neurophysiological Technician • Ophthalmic Technician • Orthotic and Prosthetic Technician • Perfusionist • Renal Technician • Sleep Technician 	
Lead Statement / definition	This occupation group covers Medical Technicians not elsewhere classified.	This occupation group covers Medical Technicians not elsewhere classified.	Performs routine lung function tests; uses and maintains diagnostic equipment under the supervision of Respiratory Scientists. Monitors patients on ventilation or those undergoing sleep studies.

<p>Main Tasks or duties (UNIT GROUP)</p>	<ul style="list-style-type: none"> • operating equipment used in diagnosing and monitoring disorders of the heart, kidneys, nervous system and hearing, and in anaesthesia • undertaking and assisting with medical analytical procedures and assisting Anaesthetists and surgical teams • recording the electrical activity of the heart, from which the heart rate is measured and pattern and rhythm interpreted • taking, collecting and labelling blood, urine and other samples from patients • preparing and staining slides and tissue sections for blood and histological examination • performing diagnostic tests on tissues and body fluids and analysing the chemical constituents of blood, urine, faeces and tissues • testing for diseases by looking for the presence of antibodies and the products of immune response in samples • setting up, checking and maintaining operating theatres, anaesthetic workstations, life support machines and associated equipment 	<p>No change from current</p> <p>Additional task</p> <ul style="list-style-type: none"> • operating and maintaining equipment used in diagnosing and monitoring of breathing or sleep disorders 	<ul style="list-style-type: none"> • operating equipment used in diagnosing and monitoring disorders of the heart, lungs, kidneys, nervous system and hearing, and in anaesthesia <p>No additional changes required</p>
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	<ul style="list-style-type: none"> referring prescriptions to Pharmacists and assisting in preparing medications 		
Skill Level	2	No change from current	No change
Registration or Licensing	N/A	No change from current	TBD
Specialisations	N/A	N/A	

341111 - Electrician (General)

	CURRENT	PROPOSED
Principal Occupation Title	341111 - Electrician (General)	
Alternative Title	Electrical Fitter	Electrical Fitter Electrical Contractor
Lead Statement / definition	Installs, tests, connects, commissions, maintains and modifies electrical equipment, wiring, and control systems. Registration or licensing is required.	
Exclusion statement	N/A	Hot water solar system installers and Labourers who install solar panels are excluded from this unit group. Hot water solar system installers are included in Unit group 8214, Insulation and Home improvement installers. Labourers are included in Unit group 8999, Other Miscellaneous Labourers.
Main Tasks or duties	<ul style="list-style-type: none"> examining blueprints, wiring diagrams and specifications to determine sequences and methods of operation measuring and laying out of installation reference points selecting, cutting and connecting wire and cable to terminals and connectors using electrical and electronic test instruments to trace and diagnose faults repairing and replacing faulty wiring and defective parts positioning and installing electrical switchboards connecting electrical systems to power supply testing continuity of circuit installing, testing and adjusting electric and mechanical parts of lifts 	<p>No change to the existing text; the following additional task to be added:</p> <ul style="list-style-type: none"> installing, testing and commissioning solar photo voltaic (PV) power generation systems
Skill Level	3	

Registration or Licensing	Registration or licensing is required	
Specialisations	Armature Winder Electrical Contractor Heavy Coil Winder Railway Signal Electrician	Armature Winder Electrical Contractor Heavy Coil Winder Railway Signal Electrician Solar Installer

399213 - Power Generation Plant Operator

	CURRENT	PROPOSED
Principal Occupation Title	399213, Power generation plant operator	
Alternative Title	n/a	
Lead Statement / definition	Operates boilers, turbogenerators and associated plant to generate electrical power. Registration or licensing is required.	
Main Tasks or duties	<ul style="list-style-type: none"> • checking equipment for malfunctions and arranging maintenance • operating power generation plant controls to produce required load • monitoring operation of power generation plant and interpreting instrument readings • authorising procedures to isolate high-voltage and low-voltage electrical apparatus and plant • writing reports and maintaining records on equipment performance, instrument readings and switching operations • carrying out routine operating tests 	<ul style="list-style-type: none"> • checking equipment for malfunctions and arranging maintenance • inspection, repair, service and maintain equipment <p>There is no change to the remaining tasks.</p>
Skill Level	Skill level 3	
Registration or Licensing	Registration or licensing may be required	
Specialisations		Wind Turbine Technician