

### 135111 – Chief Information Officer

	CURRENT	PROPOSED
<b>Principal Occupation Title</b>	135111 – Chief Information Officer	
<b>Specialisations</b>	n/a	<b>Chief Information Security Officer</b>

### 135112 – ICT Project Manager

	CURRENT	PROPOSED
<b>Principal Occupation Title</b>	135112 – ICT Project Manager	
<b>Lead Statement / definition</b>	Plans, organises, directs, controls and coordinates quality accredited ICT projects. Accountable for day-to-day operations of resourcing, scheduling, prioritisation and task coordination, and meeting project milestones, objectives and deliverables within agreed timeframes and budgets.	Plans, organises, directs, controls and coordinates quality accredited ICT <b>and cyber security</b> projects. Accountable for day-to-day operations of resourcing, scheduling, prioritisation and task coordination, and meeting project milestones, objectives and deliverables within agreed timeframes and budgets.
<b>Specialisations (b)</b>	ICT Development Manager	ICT Development Manager <b>ICT Security Project Manager</b>

### 261312 – Developer Programmer

	CURRENT	PROPOSED
<b>Principal Occupation Title</b>	261312– Developer Programmer	
<b>Lead Statement / definition</b>	Interprets specifications, technical designs and flow charts, builds, maintains and modifies the code for software applications, constructs technical specifications from a business functional model, and tests and writes technical documentation.	Interprets specifications, technical designs and flow charts, builds, maintains and modifies the code for software applications, constructs technical specifications <b>including cyber security</b> from a business functional model, and tests and writes technical documentation.
<b>Specialisations</b>	Communications Programmer (Systems) Database Developer Database Programmer (Systems) Network Programmer Software Developer Software Programmer	<del>Communications Programmer (Systems)</del> Database Developer Database Programmer (Systems) Network Programmer Software Developer Software Programmer <b>Cyber Security Developer</b>

	CURRENT	PROPOSED
<b>Unit Group</b>	2613 – Software and Applications Programmers	
<b>Lead Statement / definition</b>	SOFTWARE AND APPLICATIONS PROGRAMMERS design, develop, test, maintain and document program code in accordance with user requirements, and system and technical specifications.	SOFTWARE AND APPLICATIONS PROGRAMMERS design, develop, test, maintain and document program code, <b>including cyber security</b> , in accordance with user requirements, and system and technical specifications.

261313 – Software Engineer

ANZSCO	CURRENT	PROPOSED		
<b>Principal Occupation Title</b>	261313 – Software Engineer	<b>261313 – Software Engineer</b>	<b>261315 – Cyber Security Engineer</b>	<b>261316 – Devops Engineer</b>
<b>Alternative Title</b>	Software Architect Software Designer		ICT Security Engineer Information Security Engineer	
<b>Lead Statement</b>	Designs, develops, modifies, documents, tests, implements, installs and supports software applications and systems.		<b>Designs, develops, modifies, documents, tests, implements, installs and supports cybersecurity software applications and systems; ensures they are fully integrated.</b>	<b>Facilitate and undertake communication, collaboration, integration and automation to improve efficiency and workflow across different specialist IT teams.</b>
<b>Main Tasks or duties</b>	<ul style="list-style-type: none"> <li>researching, consulting, analysing and evaluating system program needs</li> <li>identifying technology limitations and deficiencies in existing systems and associated processes, procedures and methods</li> <li>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</li> <li>writing and maintaining program code to meet system requirements, system designs and technical specifications in accordance with quality accredited standards</li> <li>writing, updating and maintaining technical program, end user documentation and operational procedures</li> </ul>	No change to existing; additions below: <ul style="list-style-type: none"> <li>Managing testing and automation of software and application deployments</li> <li>Collection and analysing operational metrics</li> <li>Developing continuous improvement and continuous delivery strategies across system design and software development</li> </ul>		

	<ul style="list-style-type: none"> <li>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</li> </ul>	
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261314 – Software Tester (updated 8/10/2021)

	CURRENT	PROPOSED	
<b>Principal Occupation Title</b>	261314 – Software Tester	261314 – Software Tester (a)	<b>261317 – Penetration Tester</b>
<b>Alternative Title</b>	n/a		<b>Ethical Hacker Vulnerability Tester White Hat</b>
<b>Lead Statement</b>	Specifies, develops and writes test plans and test scripts, produces test cases, carries out regression testing, and uses automated test software applications to test the behaviour, functionality and integrity of computer software, and documents the results of tests in defect reports and related documentation.	Specifies, develops and writes test plans and test scripts, produces test cases, carries out regression testing, and uses automated test software applications to test the behaviour, functionality and integrity of computer software, and documents the results of tests in defect reports and related documentation. <b>It excludes testing of technical security controls.</b>	<b>Creates test cases using in-depth technical analysis of risks and typical vulnerabilities and produces test scripts, materials and packs to test new and existing software or services, plans, coordinates and conducts cyber threat emulation activities in support of certification, accreditation, and operational priorities to verify deficiencies in technical security controls.</b>
<b>Main Tasks or duties</b>	<ul style="list-style-type: none"> <li>researching, consulting, analysing and evaluating system program needs</li> <li>identifying technology limitations and deficiencies in existing systems and associated processes, procedures and methods</li> <li>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</li> <li>writing and maintaining program code to meet system requirements, system designs and technical specifications in accordance with quality accredited standards</li> <li>writing, updating and maintaining technical program, end user documentation and operational procedures</li> </ul>	<ul style="list-style-type: none"> <li>researching, consulting, analysing and evaluating system program needs</li> <li>identifying technology limitations and deficiencies in existing systems and associated processes, procedures and methods</li> <li>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 <b>including technical security controls</b> perform to specification</li> <li>writing and maintaining program code to meet system requirements, system designs and technical specifications in accordance with quality accredited standards</li> <li>writing, updating and maintaining technical program, end user documentation and operational procedures</li> <li>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</li> </ul>	

	<ul style="list-style-type: none"> <li>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</li> </ul>	
<p>(a) Updated 8/10/2021: The previous version of this document had occupation 261314 <i>Software Tester</i> being retired and replaced by two proposed new occupations – 261318 <i>Penetration Tester</i> and 261321 <i>Other Software Tester</i>. This was an error and occupation 261314 <i>Software Tester</i> is being retained and a new occupation (renumbered) 261317 <i>Penetration Tester</i> added.</p>		

## 262112 – ICT Security Specialist

	CURRENT	PROPOSED				
<b>Principal Occupation Title</b>	262112 – ICT Security Specialist (to be retired)	<b>262114 – Cyber Security Analyst</b>	<b>262115 – Cyber Security Operations Coordinator</b>	<b>262116 – Cyber Security Advice and Assessment Specialist</b>	<b>262117 – Cyber Security Architect</b>	<b>262118 – Cyber Governance Risk and Compliance Specialist</b>
<b>Alternative Title</b>	Security Administrator	ICT Security Analyst Information Security Analyst	Cyber Security Operations Manager Security Administrator	Cyber Security Consultant ICT Security Consultant Cyber Security Adviser ICT Security Adviser	ICT Security Architect Enterprise Security Architect	n/a
<b>Lead Statement</b>	Establishes, manages and administers an organisation's ICT security policy and procedures to ensure preventive and recovery strategies are in place, and minimise the risk of internal and external security threats.	<b>Analyses and assesses vulnerabilities in the infrastructure (software, hardware, networks), investigates available tools and countermeasures to remedy the detected vulnerabilities, and recommends solutions and best practices. Analyses and assesses damage to the data/infrastructure as a result of security incidents, examines available recovery tools and processes, and recommends solutions.</b>	<b>Leads the coordination, governance and response to complex cyber security incidents and hunt investigations, manage tasks across various teams for incident response and hunt operations, advise leadership on current operational collaborations and contribute toward strategic planning, facilitate incident response engagements, assess technical information to develop key messaging.</b>	<b>Conduct risk and security control assessments, interpret security policy and contribute to the development of standards and guidelines, review information system designs, provide guidance on security strategies to manage identified risks, provide specialist advice, explain systems security and the strengths and weaknesses.</b>	<b>Designs a security system or major components of a security system, and may head a security design team building a new security system.</b>	<b>Lead the governance, risk and compliance for cyber security.</b>
<b>Specialisation</b>	Information Technology Security Manager	<ul style="list-style-type: none"> <li><b>Cyber Threat Analyst</b></li> </ul>	<del>Information Technology Security Manager</del>	n/a	n/a	n/a

		<ul style="list-style-type: none"><li>• Malware Analyst</li><li>• Cyber Security Vulnerability Assessor</li><li>• Cyber Security Researcher or Vulnerability Researcher</li></ul>	Cyber Security Incident Responder			
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