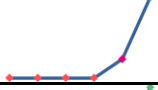
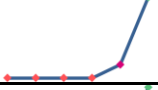
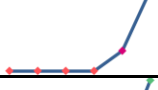
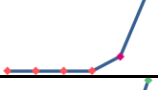
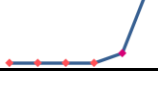
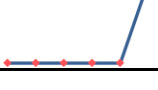
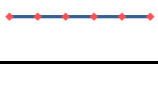
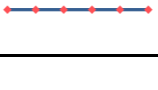
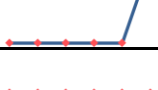
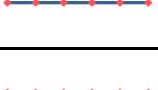
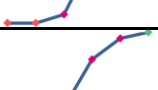
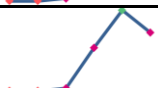
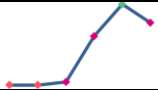
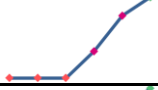
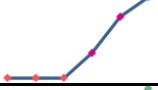
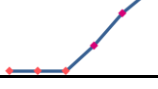
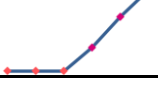
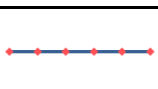
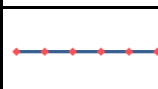
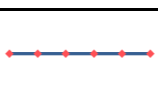
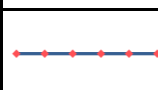
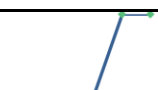
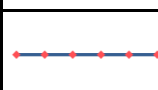
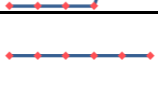
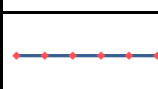
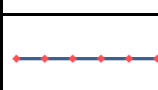
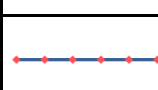
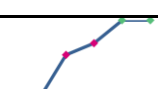
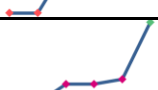
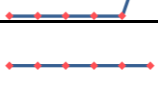
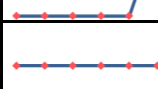
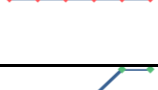
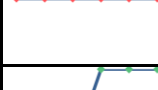
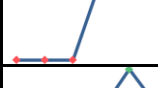
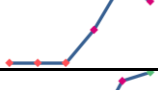
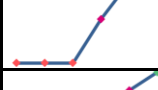
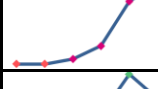
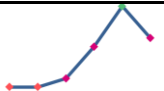
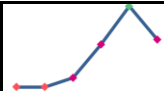
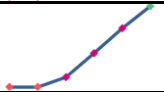
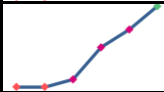
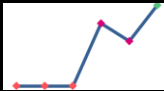
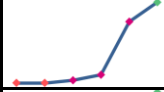
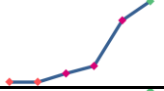
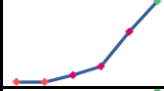
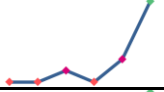
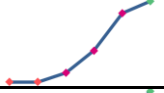
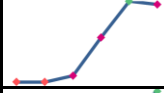
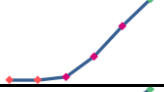
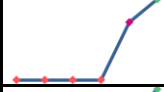
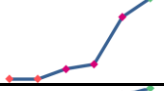
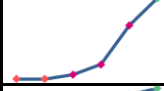
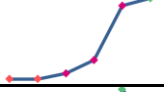
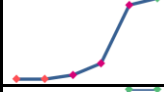
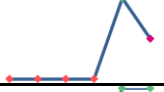
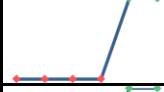
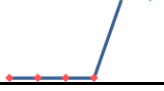
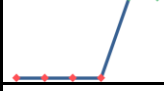
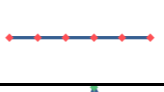
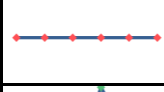
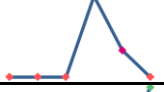
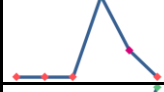
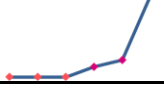
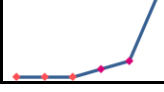
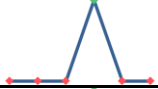
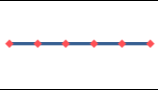
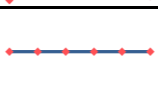
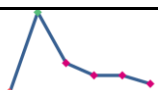
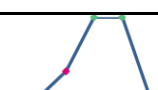
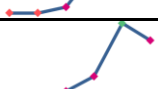
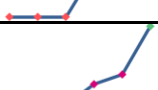
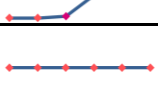
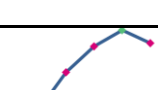


						Annual Enrolments (NCVER)							Annual Completions (NCVER)						
National Code	Unit Title	Primary Domain	Consider for Deletion	Investigate Use	Usage Category	2019	2020	2021	2022	2023	2024	Enrolment Trends	2019	2020	2021	2022	2023	2024	Completion Trends
ICTAI401	Identify opportunities to apply artificial intelligence, machine learning and deep learning	AI and Automation	-	Yes	Less than 25	-	-	-	-	5	80		-	-	-	-	-	55	
ICTAI501	Automate work tasks using machine learning	AI and Automation	-	Yes	Less than 150 (more than 75)	-	-	-	-	20	85		-	-	-	-	10	60	
ICTAI502	Train and evaluate machine learning models	AI and Automation	-	Yes	Less than 150 (more than 75)	-	-	-	-	20	80		-	-	-	-	10	55	
ICTAI503	Build natural language processing models and pipelines	AI and Automation	-	Yes	Less than 75 (more than 25)	-	-	-	-	5	40		-	-	-	-	-	30	
ICTAUT401	Design business process automation solutions	AI and Automation	-	Yes	No data	-	-	-	-	-	-		-	-	-	-	-	-	
ICTAUT402	Apply robotic desktop automation	AI and Automation	-	Yes	No data	-	-	-	-	-	-		-	-	-	-	-	-	
ICTAUT403	Conduct software quality assurance testing	Software Development	-	Yes	Less than 25	-	-	-	-	-	15		-	-	-	-	-	-	
ICTAUT501	Manage robotic process automation	AI and Automation	-	Yes	No data	-	-	-	-	-	-		-	-	-	-	-	-	
ICTAUT502	Evaluate automated industrial manufacturing processes	AI and Automation	-	Yes	No data	-	-	-	-	-	-		-	-	-	-	-	-	
ICTCLD301	Evaluate characteristics of cloud computing solutions and services	Cloud	-	-	More than 1000	-	-	295	2535	3320	3140		-	-	205	1510	1905	1885	
ICTCLD401	Configure cloud services	Cloud	-	-	More than 1000	-	-	110	990	1535	1610		-	-	65	600	835	905	
ICTCLD501	Develop cloud disaster recovery plans	Cloud	-	-	More than 150 (less than 250)	-	-	10	155	270	205		-	-	-	90	175	145	
ICTCLD502	Design and implement highly-available cloud infrastructure	Cloud	-	-	More than 150 (less than 250)	-	-	10	160	295	240		-	-	-	90	180	170	
ICTCLD503	Implement web-scale cloud infrastructure	Cloud	-	-	More than 150 (less than 250)	-	-	10	145	270	195		-	-	-	80	175	135	
ICTCLD504	Improve cloud-based infrastructure	Cloud	-	-	More than 150 (less than 250)	-	-	10	145	240	185		-	-	-	80	145	130	
ICTCLD505	Implement cloud infrastructure with code	Cloud	-	-	More than 250 (less than 1000)	-	-	-	125	290	375		-	-	-	90	220	290	
ICTCLD506	Implement virtual network in cloud environments	Cloud	-	-	More than 250 (less than 1000)	-	-	-	110	250	350		-	-	-	80	185	275	

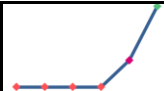
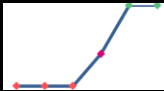
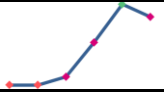
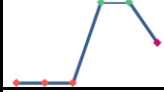
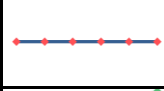
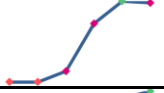
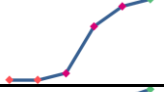
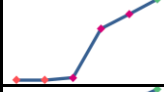
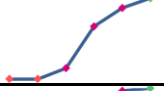
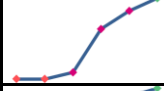
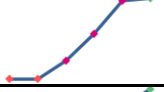
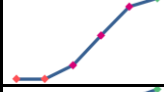
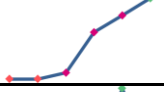
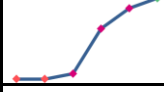
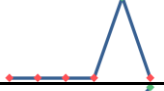
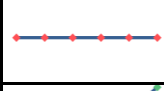
ICTCLD507	Build and deploy resources on cloud platforms	Cloud	-	-	More than 250 (less than 1000)	-	-	5	210	450	395		-	-	5	145	320	325	
ICTCLD508	Manage infrastructure in cloud environments	Cloud	-	-	More than 250 (less than 1000)	-	-	-	95	220	280		-	-	-	70	170	240	
ICTCLD509	Manage cloud identity and access	Cloud	-	Yes	No data	-	-	-	-	-	-		-	-	-	-	-	-	
ICTCLD510	Manage cloud threat detection systems	Cloud	-	Yes	No data	-	-	-	-	-	-		-	-	-	-	-	-	
ICTCLD511	Protect cloud infrastructure and data	Cloud	-	Yes	No data	-	-	-	-	-	-		-	-	-	-	-	-	
ICTCLD512	Respond to cloud security incidents	Cloud	Yes	-	Less than 25	-	-	-	-	5	5		-	-	-	-	-	-	
ICTCLD513	Develop cloud-based microservices architecture using containers	Cloud	-	Yes	No data	-	-	-	-	-	-		-	-	-	-	-	-	
ICTCLD514	Create and test cloud-based serverless applications	Cloud	-	Yes	Less than 25	-	-	-	-	-	5		-	-	-	-	-	-	
ICTCLD515	Build and deploy cloud-based applications using CI and CD pipelines	Cloud	-	Yes	No data	-	-	-	-	-	-		-	-	-	-	-	-	
ICTCLD601	Develop cloud computing strategies for businesses	Cloud	-	-	Less than 75 (more than 25)	-	-	20	25	35	35		-	-	15	20	30	35	
ICTCLD602	Manage information security compliance of cloud service deployment	Cloud	-	Yes	Less than 150 (more than 75)	-	-	20	20	25	85		-	-	10	15	10	65	
ICTCLD603	Design hybrid cloud-based network architectures	Cloud	-	Yes	Less than 25	-	-	-	-	-	5		-	-	-	-	-	5	
ICTCLD604	Manage data in cloud environments	Cloud	-	Yes	No data	-	-	-	-	-	-		-	-	-	-	-	-	
ICTCMP502	Conduct radio communications site audits	Telecomms	To be considered in conjunction with Telco update	-	No data	-	-	-	-	-	-		-	-	-	-	-	-	
ICTCYS401	Design and implement network security infrastructure for an organisation	Cyber	-	Yes	Less than 25	-	-	-	10	15	15		-	-	-	10	10	10	
ICTCYS402	Identify and confirm cyber security incidents	Cyber	-	-	More than 150 (less than 250)	-	-	5	130	260	135		-	-	5	90	185	100	
ICTCYS403	Plan and implement information security strategies for an organisation	Cyber	-	-	Less than 75 (more than 25)	-	-	-	35	85	65		-	-	-	30	55	50	
ICTCYS404	Run vulnerability assessments for an organisation	Cyber	-	-	More than 150 (less than 250)	-	-	15	45	165	185		-	-	10	35	120	155	
ICTCYS405	Develop cyber security incident response plans	Cyber	-	-	Less than 75 (more than 25)	-	-	20	35	55	50		-	-	10	25	50	35	

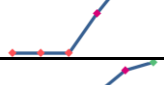
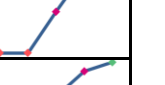
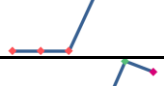
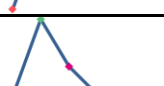
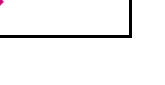
ICTCYS406	Respond to cyber security incidents	Cyber	-	-	Less than 150 (more than 75)	-	-	15	70	140	85		-	-	10	45	85	50	
ICTCYS407	Gather, analyse and interpret threat data	Cyber	-	-	More than 1000	-	-	235	785	1365	1875		-	-	105	540	780	1095	
ICTCYS408	Research and source cryptocurrency technologies for organisational needs	Cyber	-	Yes	No data	-	-	-	-	-	-		-	-	-	-	-	-	
ICTCYS601	Create cyber security standards for organisations	Cyber	-	Yes	Less than 75 (more than 25)	-	-	-	35	25	60		-	-	-	35	25	45	
ICTCYS602	Implement cyber security operations	Cyber	-	Yes	More than 150 (less than 250)	-	-	-	65	5	135		-	-	-	30	5	115	
ICTCYS603	Undertake penetration testing for organisations	Cyber	-	-	More than 250 (less than 1000)	-	-	-	110	200	265		-	-	-	60	130	210	
ICTCYS604	Implement best practices for identity management	Cyber	-	-	More than 1000	-	-	50	275	720	1355		-	-	20	145	400	1005	
ICTCYS606	Evaluate an organisation's compliance with cyber security standards and law	Cyber	-	-	More than 1000	-	-	55	260	565	1115		-	-	20	145	340	835	
ICTCYS607	Acquire digital forensic data	Cyber	-	-	More than 150 (less than 250)	-	-	5	25	140	170		-	-	5	15	110	145	
ICTCYS608	Perform cyber security risk assessments	Cyber	-	-	More than 250 (less than 1000)	-	-	105	195	750	980		-	-	60	135	435	695	
ICTCYS609	Evaluate threats and vulnerabilities of IoT devices	Cyber	-	Yes	Less than 75 (more than 25)	-	-	5	-	10	35		-	-	5	-	10	25	
ICTCYS610	Protect critical infrastructure for organisations	Cyber	-	-	More than 1000	-	-	150	505	1105	1295		-	-	50	340	615	590	
ICTCYS611	Configure security devices for organisations	Cyber	-	-	Less than 150 (more than 75)	-	-	5	35	80	120		-	-	-	-	25	35	
ICTCYS612	Design and implement virtualised cyber security infrastructure for organisations	Cyber	-	-	More than 250 (less than 1000)	-	-	95	140	580	755		-	-	30	100	365	550	
ICTCYS613	Utilise design methodologies for security architecture	Cyber	-	-	More than 1000	-	-	105	335	1295	1425		-	-	40	155	720	785	
ICTCYS614	Analyse cyber security insider risks and threats and devise recommendations	Cyber	-	Yes	Less than 25	-	-	-	-	20	10		-	-	-	-	10	10	
ICTCYS615	Detect and respond to cyber security insider risks and threats	Cyber	-	Yes	Less than 25	-	-	-	-	15	15		-	-	-	-	10	10	
ICTDAT401	Evaluate organisational compliance with data ethics legislation	Data	-	Yes	No data	-	-	-	-	-	-		-	-	-	-	-	-	
ICTDAT402	Clean and verify data	Data	-	Yes	Less than 25	-	-	-	15	5	-		-	-	-	15	5	-	
ICTDAT501	Gather, analyse and verify data from different source inputs	Data	-	-	More than 150 (less than 250)	-	-	-	30	50	235		-	-	-	20	40	200	

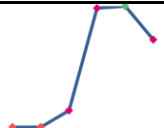
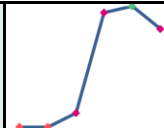
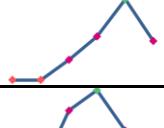
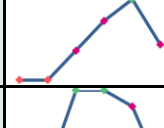
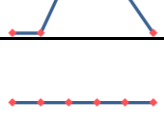
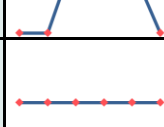
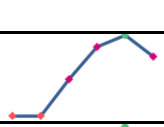
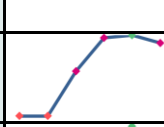
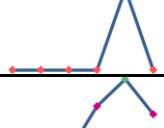
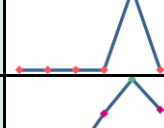
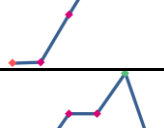
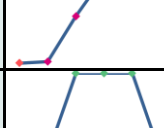
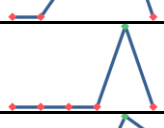
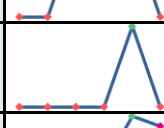
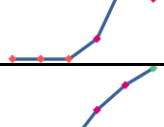
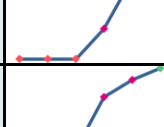
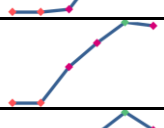
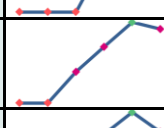
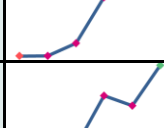
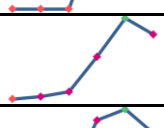
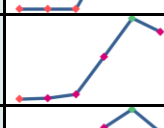
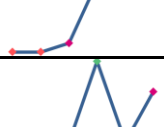
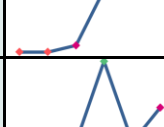
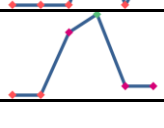
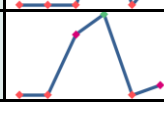
ICTDAT502	Conduct significance tests	Data	-	Yes	Less than 25		-	-	-	30	-	-		-	-	-	20	-	-	
ICTDAT503	Use unsupervised learning for clustering	Data	-	Yes	Less than 25		-	-	-	30	25	25		-	-	-	20	20	25	
ICTDAT601	Develop data integration strategies	Data	-	Yes	No data		-	-	-	-	-	-		-	-	-	-	-	-	
ICTDAT602	Review data lifecycles	Data	-	Yes	No data		-	-	-	-	-	-		-	-	-	-	-	-	
ICTDAT603	Assess advanced data processes	Data	-	Yes	No data		-	-	-	-	-	-		-	-	-	-	-	-	
ICTDBS407	Monitor physical database implementation	Data	-	-	Less than 25		-	-	-	15	65	15		-	-	-	15	25	10	
ICTDBS413	Determine database requirements	Data	-	-	Less than 75 (more than 25)		20	200	130	60	110	30		15	130	90	35	55	20	
ICTDBS414	Complete database backup and restore	Data	-	Yes	No data		-	-	-	-	-	-		-	-	-	-	-	-	
ICTDBS415	Build a database	Data	-	-	Less than 75 (more than 25)		5	430	160	95	95	50		-	95	70	60	55	25	
ICTDBS416	Create basic relational databases	Data	-	-	More than 1000		-	-	85	1295	1710	1365		-	-	50	520	795	695	
ICTDBS417	Identify and resolve common database performance problems	Data	-	Yes	No data		-	-	-	-	-	-		-	-	-	-	-	-	
ICTDBS418	Monitor and administer databases	Data	-	Yes	Less than 25		-	-	5	15	15	-		-	-	-	15	5	-	
ICTDBS503	Create a data warehouse	Data	-	-	More than 150 (less than 250)		5	25	40	155	230	225		-	15	35	70	155	150	
ICTDBS505	Monitor and improve knowledge management systems	Data	-	-	More than 250 (less than 1000)		-	-	35	500	500	645		-	-	10	190	370	455	
ICTDBS506	Design databases	Data	-	-	More than 1000		-	-	115	795	1525	1000		-	-	45	435	940	605	
ICTDBS507	Integrate databases with websites	Data	-	-	More than 1000		-	-	335	725	2100	1655		-	-	230	425	1290	1020	
ICTDBS604	Build data warehouses	Data	-	-	More than 250 (less than 1000)		-	-	-	170	90	300		-	-	-	20	80	280	
ICTDBS605	Develop knowledge management strategies	Data	-	-	More than 250 (less than 1000)		-	-	20	255	360	895		-	-	5	75	195	690	
ICTDBS606	Determine database functionality and scalability	Data	-	Yes	No data		-	-	-	-	-	-		-	-	-	-	-	-	
ICTDMT404	Create visual design components for digital media	Games and Design	-	-	Less than 150 (more than 75)		-	-	60	100	125	105		-	-	30	35	65	55	

ICTDMT405	Produce interactive animations	Games and Design	-	-	Less than 75 (more than 25)		-	-	-	55	45	35		-	-	-	10	35	20	
ICTDMT406	Produce and edit digital images	Games and Design	-	-	Less than 75 (more than 25)		-	-	25	55	55	30		-	-	5	15	25	15	
ICTDMT407	Incorporate video assets into media presentations	Games and Design	-	Yes	Less than 75 (more than 25)		-	-	-	30	10	55		-	-	-	5	5	50	
ICTDSN401	Design digital user interfaces	Software	-	Yes	No data		-	-	-	-	-	-		-	-	-	-	-	-	
ICTDSN402	Develop digital user interfaces	Software	-	Yes	No data		-	-	-	-	-	-		-	-	-	-	-	-	
ICTDSN403	Apply innovative thinking and practices in digital environments	Games and Design	-	Yes	No data		-	-	-	-	-	-		-	-	-	-	-	-	
ICTGAM304	Develop three-dimensional (3D) models for digital games	Games and Design	-	-	More than 250 (less than 1000)		-	-	-	200	560	590		-	-	-	40	290	320	
ICTGAM305	Apply simple textures and shading to three-dimensional (3D) models for digital games	Games and Design	-	-	More than 250 (less than 1000)		-	-	-	200	385	490		-	-	-	40	170	245	
ICTGAM306	Review and apply traditional animation principles	Games and Design	-	-	More than 250 (less than 1000)		-	-	-	65	235	265		-	-	-	30	85	125	
ICTGAM418	Use simple modelling for animation	Games and Design	-	-	More than 250 (less than 1000)		80	70	120	305	425	315		50	25	30	125	175	175	
ICTGAM420	Produce interactive games	Games and Design	-	-	More than 250 (less than 1000)		-	-	155	380	300	265		-	-	85	200	160	140	
ICTGAM421	Identify and apply games design and game play principles	Games and Design	-	-	More than 250 (less than 1000)		-	-	50	265	335	305		-	-	25	135	155	180	
ICTGAM422	Create design documents for interactive games	Games and Design	-	-	Less than 75 (more than 25)		-	-	40	100	55	55		-	-	10	55	20	20	
ICTGAM423	Apply artificial intelligence in game development	Games and Design	-	-	More than 250 (less than 1000)		-	-	115	235	290	245		-	-	60	120	135	125	
ICTGAM424	Develop story and content in digital games	Games and Design	-	Yes	Less than 75 (more than 25)		-	-	20	25	15	50		-	-	-	15	5	45	
ICTGAM425	Create visual design components in interactive games	Games and Design	-	-	Less than 150 (more than 75)		-	-	35	155	210	130		-	-	15	60	110	80	
ICTGAM426	Write narrative scripts for interactive games	Games and Design	-	-	More than 250 (less than 1000)		-	-	65	265	320	270		-	-	30	115	155	165	
ICTGAM427	Use 3-D software interface and toolsets	Games and Design	-	-	More than 250 (less than 1000)		-	-	75	275	410	310		-	-	35	115	170	175	
ICTGAM428	Create 3-D characters for interactive games	Games and Design	-	-	More than 150 (less than 250)		-	-	90	150	295	185		-	-	35	65	115	115	
ICTGAM429	Develop 3-D components for interactive games	Games and Design	-	-	More than 150 (less than 250)		-	-	35	180	320	240		-	-	15	75	165	115	

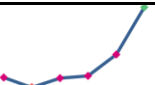
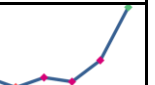
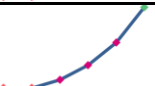
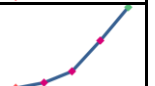
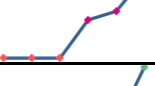
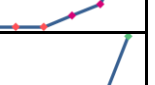
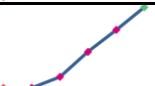
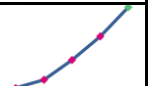
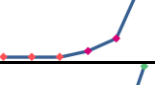
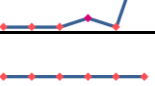
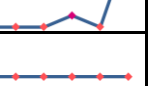
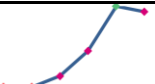
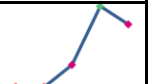
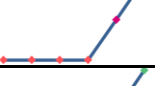
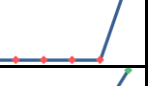
ICTGAM430	Design interactive media	Games and Design	-	Yes	Less than 25		-	-	40	25	25	20		-	-	5	5	10	5	
ICTGAM431	Design and create 3-D digital models	Games and Design	-	-	More than 150 (less than 250)		-	-	105	260	355	245		-	-	50	95	175	125	
ICTGAM432	Create audio for digital games	Games and Design	-	-	Less than 25		-	-	20	45	30	15		-	-	10	10	20	10	
ICTGAM433	Prepare and complete image rendering processes	Games and Design	-	-	Less than 150 (more than 75)		-	-	20	85	200	85		-	-	5	35	70	65	
ICTGAM532	Create design concepts for digital games and 3-D media	Games and Design	-	-	Less than 150 (more than 75)		-	-	-	25	40	140		-	-	-	20	25	115	
ICTGAM533	Create complex 3-D interactive games	Games and Design	-	-	Less than 150 (more than 75)		-	-	85	195	215	135		-	-	50	100	105	95	
ICTGAM534	Manage interactive media productions	Games and Design	-	-	Less than 150 (more than 75)		-	-	225	35	40	145		-	-	160	25	25	90	
ICTGAM535	Develop complex 3-D software for games and interactive media	Games and Design	-	-	Less than 150 (more than 75)		-	-	90	170	210	85		-	-	55	100	120	55	
ICTGAM536	Design interactive 3-D applications for scientific and mathematical modelling	Games and Design	-	Yes	No data		-	-	-	-	-	-		-	-	-	-	-	-	
ICTGAM537	Prepare games for different platforms and delivery modes	Games and Design	-	-	More than 150 (less than 250)		-	-	85	175	210	185		-	-	50	105	120	130	
ICTGAM538	Manage testing of games and interactive media	Games and Design	-	Yes	Less than 25		-	-	20	25	15	-		-	-	-	15	5	-	
ICTGAM539	Create and implement designs for 3-D games environments	Games and Design	-	-	Less than 150 (more than 75)		-	-	-	50	90	90		-	-	-	35	65	65	
ICTGAM540	Design and create models for 3-D and digital effects environments	Games and Design	-	-	Less than 75 (more than 25)		-	-	-	20	40	30		-	-	-	10	30	25	
ICTGAM541	Design and create advanced particles, fluids and bodies for 3-D digital effects	Games and Design	-	-	Less than 75 (more than 25)		-	-	-	35	55	40		-	-	-	25	40	30	
ICTGAM542	Animate 3-D characters for digital games	Games and Design	-	-	Less than 150 (more than 75)		-	-	10	55	115	95		-	-	5	35	60	70	
ICTGAM543	Produce digital animation sequences	Games and Design	-	-	Less than 150 (more than 75)		-	-	10	55	95	90		-	-	5	30	55	65	
ICTGAM544	Animate physical attributes of models and elements	Games and Design	-	-	Less than 75 (more than 25)		-	-	-	15	30	30		-	-	-	-	10	30	
ICTGAM545	Manage technical art and rigging in 3-D animations	Games and Design	-	-	Less than 75 (more than 25)		-	-	10	40	95	70		-	-	5	25	60	55	
ICTGAM546	Create and combine 3-D digital games and components	Games and Design	-	Yes	Less than 25		-	-	145	5	5	-		-	-	110	5	5	-	
ICTGAM547	Create interactive 3-D environments for digital games	Games and Design	-	-	Less than 75 (more than 25)		-	-	145	40	80	55		-	-	110	25	55	45	

ICTGAM548	Complete digital editing for 3-D and digital effects environments	Games and Design	-	Yes	Less than 75 (more than 25)	-	-	-	10	25	30		-	-	-	-	10	30	
ICTGAM549	Collaborate in design of 3-D game levels and environments	Games and Design	-	-	Less than 150 (more than 75)	-	-	230	45	85	90		-	-	165	40	65	70	
ICTGAM550	Integrate multiple data sources into interactive 3-D environments	Games and Design	-	Yes	Less than 150 (more than 75)	-	-	140	5	-	95		-	-	105	5	-	55	
ICTGAM551	Apply digital texturing for the 3-D environment in digital games	Games and Design	-	-	Less than 75 (more than 25)	-	-	-	20	40	30		-	-	-	10	25	25	
ICTGAM552	Create complex 3-D characters for games	Games and Design	-	-	Less than 150 (more than 75)	-	-	10	50	95	80		-	-	5	30	55	65	
ICTGAM553	Integrate database with online games	Games and Design	-	Yes	No data	-	-	-	-	-	-		-	-	-	-	-	-	
ICTGAM554	Create games for mobile devices	Games and Design	-	-	Less than 150 (more than 75)	-	-	-	125	135	115		-	-	-	70	75	85	
ICTGAM555	Analyse business opportunities in the digital games environments	Games and Design	-	-	Less than 75 (more than 25)	-	-	-	30	40	35		-	-	-	25	25	30	
ICTGAM556	Develop and implement physics in 3-D digital games	Games and Design	-	Yes	Less than 25	-	-	-	15	10	5		-	-	-	10	10	5	
ICTGAM557	Complete compositing to create elements for 3-D and digital effects environments	Games and Design	-	Yes	No data	-	-	-	-	-	-		-	-	-	-	-	-	
ICTICT213	Use computer operating systems and hardware	Broad	-	-	More than 1000	-	-	720	4120	5555	5995		-	-	345	2640	3495	3965	
ICTICT214	Operate application software packages	Broad	-	-	More than 1000	-	-	1030	5505	7610	7445		-	-	520	3725	5170	5060	
ICTICT215	Operate digital media technology packages	Broad	-	-	More than 1000	-	-	460	3565	4900	5365		-	-	100	2145	2745	3365	
ICTICT216	Design and create basic organisational documents	Broad	-	-	More than 1000	-	-	420	2000	2700	3075		-	-	165	1200	1640	1940	
ICTICT219	Interact and resolve queries with ICT clients	Broad	-	-	More than 250 (less than 1000)	-	-	140	345	595	615		-	-	85	265	440	490	
ICTICT221	Identify and use specific industry standard technologies	Business Analysis & Systems Solutions	-	-	More than 250 (less than 1000)	-	-	70	500	680	865		-	-	30	275	385	440	
ICTICT222	Research and share ICT solutions for Indigenous users	Business Analysis & Systems Solutions	-	Yes	Less than 25	-	-	-	-	5	-		-	-	-	-	-	-	
ICTICT223	Install software applications	Broad	To be considered in conjunction with Telco update	-	More than 1000	-	-	-	320	960	1335		-	-	-	235	635	800	
ICTICT224	Integrate commercial computing packages	Broad	-	-	More than 250 (less than 1000)	-	-	-	525	875	805		-	-	-	240	500	485	

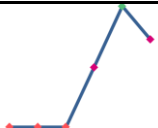
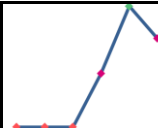
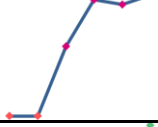
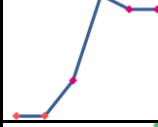
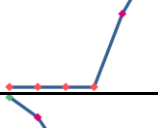
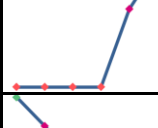
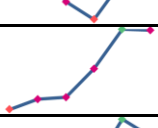
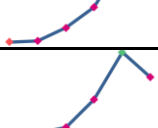
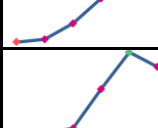
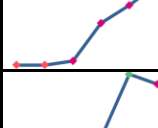
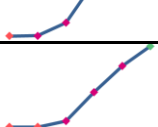
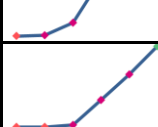
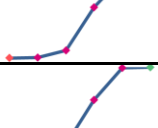
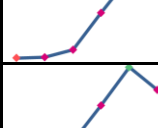
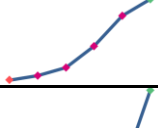
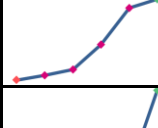
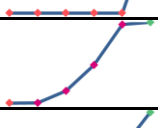
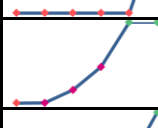
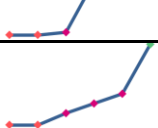
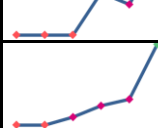
ICTICT225	Operate accounting applications	Broad	-	Yes	No data	-	-	-	-	-	-		-	-	-	-	-	-	
ICTICT226	Operate simple database applications	Broad	-	-	More than 250 (less than 1000)	-	-	-	165	250	340		-	-	-	115	155	200	
ICTICT309	Create ICT user documentation	Broad	-	-	More than 250 (less than 1000)	-	-	210	680	675	600		-	-	45	485	390	450	
ICTICT310	Identify and use industry specific technologies	Business Analysis & Systems Solutions	-	-	More than 1000	-	-	40	270	640	1035		-	-	40	245	515	785	
ICTICT311	Customise packaged software applications	Business Analysis & Systems Solutions	-	-	More than 250 (less than 1000)	-	-	-	130	245	265		-	-	-	105	205	200	
ICTICT312	Use advanced features of applications	Broad	-	Yes	More than 250 (less than 1000)	-	-	50	395	580	645		-	-	30	285	440	495	
ICTICT313	Identify IP, ethics and privacy policies in ICT environments	Broad	-	-	More than 1000	-	-	1755	7800	11055	10450		-	-	940	4470	6455	6835	
ICTICT314	Connect internal hardware components	Broad	To be considered in conjunction with Telco update	-	More than 250 (less than 1000)	-	-	-	210	945	885		-	-	-	70	585	515	
ICTICT315	Implement system software changes	Broad	To be considered in conjunction with Telco update	-	Less than 25	-	-	-	5	10	10		-	-	-	5	5	5	
ICTICT316	Implement new technology	Business Analysis & Systems Solutions	-	-	Less than 75 (more than 25)	-	-	-	15	75	65		-	-	-	15	70	60	
ICTICT317	Maintain standard operating environments	Infrastructure	To be considered in conjunction with Telco update	-	More than 250 (less than 1000)	-	-	-	265	720	525		-	-	-	155	430	315	
ICTICT318	Validate test cases and develop proof of concepts	Broad	-	Yes	No data	-	-	-	-	-	-		-	-	-	-	-	-	
ICTICT424	Address cyber security requirements	Cyber	-	-	More than 250 (less than 1000)	60	1390	800	395	765	915		35	710	440	185	375	475	
ICTICT425	Implement WHS, environmental sustainability and anti-discrimination practices in an ICT workplace	Broad	-	-	Less than 75 (more than 25)	105	1275	555	130	85	55		70	685	320	70	40	35	
ICTICT426	Identify and evaluate emerging technologies and practices	Business Analysis & Systems Solutions	-	-	More than 1000	50	1310	2075	4915	6535	5500		35	720	1030	2100	2835	2670	
ICTICT427	Identify, evaluate and apply current industry-specific technologies to meet organisational needs	Business Analysis & Systems Solutions	-	-	Less than 150 (more than 75)	20	175	250	80	105	95		-	105	165	30	65	35	
ICTICT428	Select cloud storage solutions	Cloud	To be considered in conjunction with Telco update	-	More than 250 (less than 1000)	-	230	650	670	965	875		-	135	350	355	575	495	

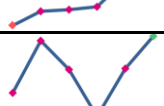
ICTICT429	Determine and confirm client business requirements	Business Analysis & Systems Solutions	To be considered in conjunction with Telco update	-	More than 250 (less than 1000)	-	-	120	855	870	630		-	-	65	530	560	455	
ICTICT430	Apply software development methodologies	Software Development	-	-	More than 150 (less than 250)	-	-	115	245	455	220		-	-	75	150	205	90	
ICTICT431	Use online tools for learning	Broad	-	Yes	Less than 25	-	-	30	40	20	-		-	-	25	25	20	-	
ICTICT432	Develop detailed technical design	Broad	To be considered in conjunction with Telco update	-	No data	-	-	-	-	-	-		-	-	-	-	-	-	
ICTICT433	Build graphical user interfaces	Software Development	-	-	More than 250 (less than 1000)	-	-	300	565	660	485		-	-	175	305	315	285	
ICTICT434	Maintain website information standards	Software Development	Yes	-	Less than 25	-	-	-	-	5	-		-	-	-	-	5	-	
ICTICT435	Create technical documentation	Broad	To be considered in conjunction with Telco update	-	More than 250 (less than 1000)	-	10	465	900	1160	825		-	10	300	550	770	575	
ICTICT436	Develop macros and templates for clients using standard products	Broad	-	Yes	Less than 25	-	-	5	5	10	-		-	-	5	5	5	-	
ICTICT437	Conduct post-implementation ICT system reviews	Broad	Yes	-	Less than 25	-	-	-	-	5	-		-	-	-	-	5	-	
ICTICT438	Select, configure and deploy software and hardware testing tools	Broad	-	-	Less than 75 (more than 25)	-	-	-	25	100	75		-	-	-	15	40	35	
ICTICT440	Develop service level agreements	Broad	-	-	Less than 150 (more than 75)	-	-	5	70	115	145		-	-	-	45	60	70	
ICTICT441	Provide one-to-one instructions	Broad	-	-	More than 150 (less than 250)	-	-	105	175	235	225		-	-	70	125	180	165	
ICTICT443	Work collaboratively in the ICT industry	Broad	-	-	More than 1000	-	10	960	4445	6065	4725		-	10	570	2600	3580	2700	
ICTICT444	Develop client user interfaces	Software Development	-	Yes	Less than 75 (more than 25)	-	-	-	40	25	40		-	-	-	25	20	40	
ICTICT445	Connect and configure devices and hardware components	Infrastructure	-	-	More than 250 (less than 1000)	-	20	55	315	600	480		-	5	25	220	420	350	
ICTICT446	Apply ICT service management principles	Broad	-	-	More than 150 (less than 250)	-	-	25	190	220	155		-	-	15	135	175	125	
ICTICT447	Work effectively in agile environments	Broad	-	Yes	Less than 25	-	-	-	40	-	25		-	-	-	35	-	15	
ICTICT448	Prepare electronic portfolios of work	Broad	-	Yes	Less than 25	-	-	35	45	5	5		-	-	30	40	-	5	

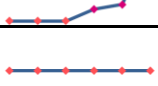
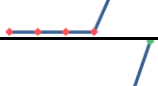
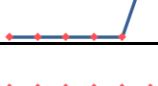
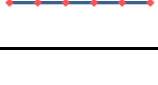
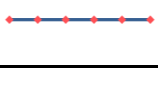
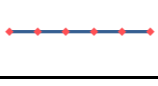
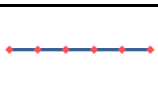
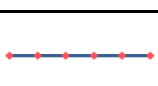
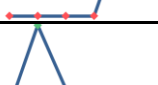
ICTICT449	Use version control systems in development environments	Software Development	-	-	More than 1000		-	-	75	1090	1285	1165		-	-	30	440	625	655	
ICTICT450	Identify and use applications for a distributed ledger	Data	Yes	-	Less than 25		-	-	-	5	5	-		-	-	-	5	5	-	
ICTICT451	Comply with IP, ethics and privacy policies in ICT environments	Broad	-	-	More than 1000		-	25	910	4000	5435	4425		-	-	540	2260	3095	2630	
ICTICT452	Support the implementation of assistive technologies	Business Analysis & Systems Solutions	-	Yes	No data		-	-	-	-	-	-		-	-	-	-	-	-	
ICTICT453	Evaluate accessibility of organisational systems, programs and software	Business Analysis & Systems Solutions	-	Yes	No data		-	-	-	-	-	-		-	-	-	-	-	-	
ICTICT454	Assess organisational systems using assistive technologies	Business Analysis & Systems Solutions	-	Yes	No data		-	-	-	-	-	-		-	-	-	-	-	-	
ICTICT517	Match ICT needs with the strategic direction of the organisation	Business Analysis & Systems Solutions	-	-	More than 1000		1125	4215	4100	4325	6610	7240		740	2730	2625	2680	3675	4440	
ICTICT518	Research and review hardware technology options for organisations	Business Analysis & Systems Solutions	-	-	More than 250 (less than 1000)		-	10	200	670	810	400		-	10	105	435	525	310	
ICTICT519	Develop detailed component specifications from project specifications	Software Development	-	-	More than 250 (less than 1000)		-	-	55	175	400	285		-	-	30	110	230	235	
ICTICT520	Confirm transition strategy for new systems	Business Analysis & Systems Solutions	-	-	Less than 75 (more than 25)		-	-	-	10	30	40		-	-	-	-	30	35	
ICTICT521	Select new technology supported business model	Business Analysis & Systems Solutions	-	-	Less than 75 (more than 25)		-	-	25	75	80	35		-	-	10	25	40	10	
ICTICT522	Evaluate vendor products and equipment	Business Analysis & Systems Solutions	-	-	More than 250 (less than 1000)		-	5	155	100	290	445		-	5	110	60	225	330	
ICTICT523	Gather data to identify business requirements	Business Analysis & Systems Solutions	-	-	More than 1000		-	-	385	1685	2150	1985		-	-	210	915	1215	1420	
ICTICT524	Determine ICT strategies and solutions for organisations	Business Analysis & Systems Solutions	-	-	Less than 150 (more than 75)		-	-	20	140	290	140		-	-	5	80	180	100	
ICTICT525	Identify and manage the implementation of industry specific technologies	Business Analysis & Systems Solutions	-	-	More than 150 (less than 250)		-	-	115	155	185	165		-	-	85	75	125	70	
ICTICT526	Verify client business requirements	Business Analysis & Systems Solutions	-	-	More than 250 (less than 1000)		-	-	145	480	280	460		-	-	60	325	140	320	
ICTICT527	Develop and maintain blockchain solutions	Data	-	Yes	Less than 150 (more than 75)		-	-	10	25	20	85		-	-	-	15	15	50	
ICTICT528	Deploy smart contracts	Data	-	Yes	No data		-	-	-	-	-	-		-	-	-	-	-	-	
ICTICT529	Organise and lead agile projects	Broad	-	-	Less than 150 (more than 75)		-	-	20	30	75	105		-	-	10	30	50	90	
ICTICT530	Design user experience solutions	Software Development	-	-	More than 1000		-	-	240	1025	1405	1285		-	-	155	545	810	825	

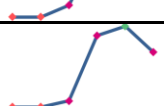
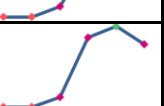
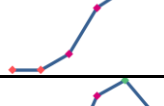
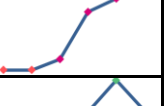
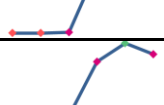
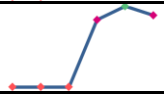
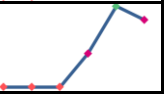
ICTICT531	Test network using virtual instruments	Networking	-	Yes	No data	-	-	-	-	-	-		-	-	-	-	-	-	
ICTICT532	Apply IP, ethics and privacy in ICT environments	Broad	-	-	More than 1000	-	30	1280	4235	6435	6280		-	10	750	2790	3660	3850	
ICTICT533	Conduct quality audit of IT system design specifications	Business Analysis & Systems Solutions	-	Yes	No data	-	-	-	-	-	-		-	-	-	-	-	-	
ICTICT608	Interact with clients on a business level	Business Analysis & Systems Solutions	-	-	More than 1000	1395	1025	1375	1460	2260	4035		965	685	965	850	1465	2990	
ICTICT611	Develop ICT strategic business plans	Business Analysis & Systems Solutions	-	-	More than 150 (less than 250)	-	-	95	235	280	190		-	-	75	145	200	140	
ICTICT612	Develop contracts and manage contract performance	Business Analysis & Systems Solutions	-	-	More than 250 (less than 1000)	-	-	115	135	215	400		-	-	70	70	115	300	
ICTICT613	Manage the use of development methodologies	Business Analysis & Systems Solutions	-	-	Less than 75 (more than 25)	-	-	50	20	80	50		-	-	35	15	55	25	
ICTICT614	Identify and implement business innovation	Business Analysis & Systems Solutions	-	-	More than 150 (less than 250)	-	-	20	55	110	195		-	-	10	30	85	145	
ICTICT615	Implement knowledge management strategies	Business Analysis & Systems Solutions	-	-	Less than 150 (more than 75)	-	-	-	45	55	95		-	-	-	30	45	80	
ICTICT616	Develop communities of practice	Broad	-	Yes	Less than 25	-	-	-	5	10	35		-	-	-	5	10	35	
ICTICT617	Lead the evaluation and implementation of current industry specific technologies	Business Analysis & Systems Solutions	-	-	More than 250 (less than 1000)	-	5	100	60	50	320		-	5	75	50	35	290	
ICTICT618	Manage IP, ethics and privacy in ICT environments	Business Analysis & Systems Solutions	-	-	More than 1000	-	10	485	1570	2510	3490		-	5	270	905	1660	2600	
ICTICT818	Develop knowledge management strategies	Business Analysis & Systems Solutions	-	Yes	Less than 75 (more than 25)	-	-	-	5	15	65		-	-	-	5	15	55	
ICTICT819	Lead analysis of information and communications technology business strategy	Business Analysis & Systems Solutions	Yes	-	Less than 75 (more than 25)	-	-	-	5	-	45		-	-	-	5	-	35	
ICTICT822	Manage automated ICT system applications	Infrastructure	-	Yes	No data	-	-	-	-	-	-		-	-	-	-	-	-	
ICTIOT501	Install IoT devices and networks	Networking	-	-	Less than 150 (more than 75)	-	-	20	65	145	135		-	-	-	25	90	70	
ICTIOT502	Program IoT devices	Software Development	-	-	Less than 150 (more than 75)	-	-	-	10	50	80		-	-	-	5	25	45	
ICTIOT503	Design and test IoT devices and networks	Networking	-	-	More than 150 (less than 250)	-	-	10	65	145	165		-	-	10	30	110	105	
ICTNPL412	Apply business acumen to network planning	Business Analysis & Systems Solutions	-	Yes	Less than 25	-	-	-	-	10	20		-	-	-	-	-	5	
ICTNPL413	Evaluate networking regulations and legislation for the telecommunications industry	Business Analysis & Systems Solutions	-	-	More than 1000	-	-	215	895	1490	3000		-	-	120	565	945	2110	

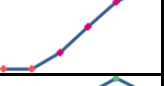
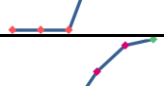
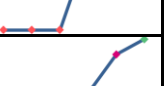
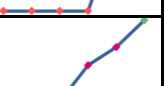
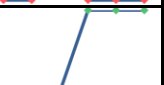
ICTNWK307	Provide network systems administration	Infrastructure	-	-	More than 1000	-	-	165	790	1445	1845		-	-	120	520	920	1240	
ICTNWK308	Determine and action network problems	Networking	-	-	More than 250 (less than 1000)	-	-	95	360	250	280		-	-	60	210	180	190	
ICTNWK309	Configure and administer network operating systems	Infrastructure	-	-	More than 250 (less than 1000)	-	-	190	855	1065	955		-	-	135	540	695	600	
ICTNWK310	Administer network peripherals	Infrastructure	-	-	Less than 150 (more than 75)	-	-	85	150	125	105		-	-	70	105	95	80	
ICTNWK311	Install and test network protocols	Networking	To be considered in conjunction with Telco update	-	More than 1000	-	-	625	3045	4400	4800		-	-	410	1820	2900	3015	
ICTNWK420	Install and configure virtual machines	Infrastructure	-	-	More than 1000	175	1825	1850	2215	2795	2580		80	960	1070	1130	1420	1270	
ICTNWK421	Install, configure and test network security	Cyber	To be considered in conjunction with Telco update	-	More than 1000	85	1100	1375	1565	2165	1875		25	550	790	900	1260	1025	
ICTNWK422	Install and manage servers	Infrastructure	-	-	More than 1000	-	70	320	1825	2300	2185		-	30	170	905	1120	1040	
ICTNWK423	Manage network and data integrity	Cyber	-	-	More than 1000	-	70	165	1315	2005	1815		-	30	75	665	1090	930	
ICTNWK424	Install and operate small enterprise branch networks	Networking	-	-	More than 1000	-	-	180	1475	2165	1870		-	-	75	770	1205	1010	
ICTNWK425	Build small wireless local area networks	Networking	-	-	More than 250 (less than 1000)	-	-	85	695	1135	985		-	-	35	565	965	850	
ICTNWK426	Install and configure client-server applications and services	Infrastructure	-	-	Less than 150 (more than 75)	-	-	15	65	125	115		-	-	5	35	65	70	
ICTNWK427	Configure desktop environments	Infrastructure	-	-	More than 250 (less than 1000)	-	20	285	735	870	915		-	-	195	465	540	545	
ICTNWK428	Create scripts for networking	Infrastructure	To be considered in conjunction with Telco update	-	More than 250 (less than 1000)	-	-	40	540	800	740		-	-	30	260	405	370	
ICTNWK429	Install hardware to networks	Infrastructure	To be considered in conjunction with Telco update	-	More than 1000	-	70	285	1305	1820	1550		-	30	150	720	1080	885	
ICTNWK430	Deploy software to networked computers	Infrastructure	To be considered in conjunction with Telco update	-	Less than 150 (more than 75)	-	20	60	150	140	100		-	15	35	95	95	60	
ICTNWK431	Create network documentation	Networking	-	-	Less than 150 (more than 75)	-	20	20	35	115	85		-	15	10	25	55	35	

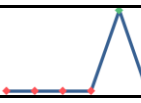
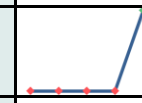
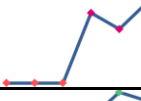
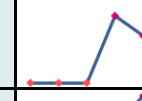
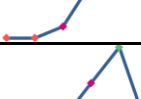
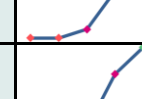
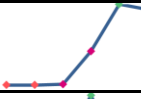
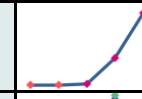
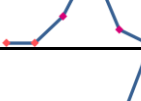
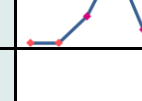
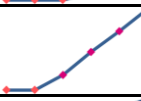
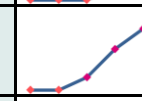
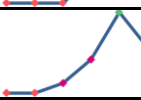
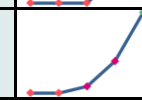
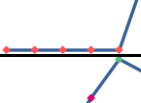
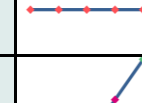
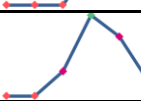
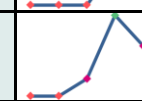
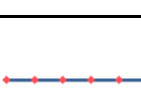
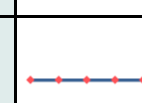
ICTNWK432	Build an enterprise wireless network	Networking	To be considered in conjunction with Telco update	-	More than 250 (less than 1000)	-	-	-	225	455	330		-	-	-	175	395	290	
ICTNWK433	Install backbone technologies in a local area network	Networking	-	Yes	No data	-	-	-	-	-	-		-	-	-	-	-	-	
ICTNWK434	Identify and implement industry standard virtualisation technologies	Infrastructure	To be considered in conjunction with Telco update	-	Less than 150 (more than 75)	-	-	75	125	120	130		-	-	25	85	75	75	
ICTNWK435	Create secure virtual private networks	Cyber	To be considered in conjunction with Telco update	-	Less than 150 (more than 75)	-	-	-	-	85	140		-	-	-	-	55	85	
ICTNWK529	Install and manage complex ICT networks	Infrastructure	-	-	More than 1000	2590	2225	1450	1125	1830	1815		1865	1425	935	645	940	1000	
ICTNWK536	Plan, implement and test enterprise communication solutions	Infrastructure	-	-	More than 1000	175	355	390	890	1590	1575		140	220	190	525	940	1010	
ICTNWK537	Implement secure encryption technologies	Cyber	-	-	More than 250 (less than 1000)	-	15	185	450	1040	820		-	20	135	315	585	460	
ICTNWK538	Install and maintain valid authentication processes	Infrastructure	-	-	More than 250 (less than 1000)	-	-	30	175	420	290		-	-	10	90	165	135	
ICTNWK539	Design and implement integrated server solutions	Infrastructure	-	-	More than 250 (less than 1000)	-	-	85	450	515	650		-	-	25	250	355	480	
ICTNWK540	Design, build and test network servers	Infrastructure	To be considered in conjunction with Telco update	-	More than 1000	-	15	440	1770	3960	3325		-	15	230	965	2040	1870	
ICTNWK541	Configure, verify and troubleshoot WAN links and IP services	Networking	-	-	More than 250 (less than 1000)	-	-	70	395	690	915		-	-	20	240	465	715	
ICTNWK542	Install, operate and troubleshoot medium enterprise routers	Networking	-	-	More than 1000	-	15	185	1225	1955	1875		-	15	135	720	1285	1150	
ICTNWK543	Install, operate and troubleshoot medium enterprise switches	Networking	-	-	More than 1000	-	15	125	1535	2560	2580		-	15	110	695	1320	950	
ICTNWK544	Design and implement a security perimeter for ICT networks	Networking	-	-	More than 250 (less than 1000)	-	40	115	310	585	735		-	25	55	185	375	420	
ICTNWK545	Develop, implement and evaluate systems and applications security	Cyber	-	Yes	Less than 75 (more than 25)	-	-	-	-	-	40		-	-	-	-	-	25	
ICTNWK546	Manage network security	Cyber	-	-	More than 1000	-	10	440	1370	2815	2895		-	10	290	790	1770	1770	
ICTNWK547	Manage system security on operational systems	Cyber	-	-	Less than 150 (more than 75)	-	-	5	90	75	135		-	-	-	55	40	105	
ICTNWK548	Model preferred system solutions	Business Analysis & Systems Solutions	-	-	More than 250 (less than 1000)	-	-	50	90	130	335		-	-	25	60	80	250	

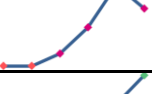
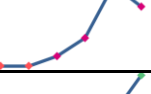
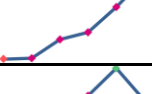
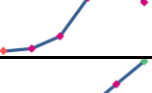
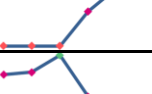
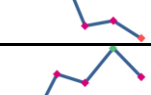
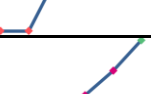
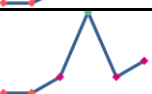
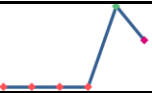
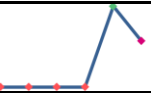
ICTNWK549	Design ICT security frameworks	Cyber	-	Yes	Less than 75 (more than 25)	-	-	-	30	10	35		-	-	-	15	-	30	
ICTNWK550	Design ICT system security controls	Cyber	-	-	Less than 150 (more than 75)	-	-	20	65	195	150		-	-	10	35	160	110	
ICTNWK551	Build decks using wireless markup language	Software Development	-	Yes	No data	-	-	-	-	-	-		-	-	-	-	-	-	
ICTNWK552	Install and configure network access storage devices	Infrastructure	-	-	Less than 150 (more than 75)	-	-	25	70	70	100		-	-	15	45	50	85	
ICTNWK553	Configure enterprise virtual computing environments	Infrastructure	-	-	More than 250 (less than 1000)	-	-	15	270	455	365		-	-	5	175	155	145	
ICTNWK554	Manage enterprise virtual computing environments	Infrastructure	-	-	Less than 150 (more than 75)	-	-	15	130	145	85		-	-	5	60	95	60	
ICTNWK555	Determine best-fit topologies for local networks	Networking	-	-	Less than 150 (more than 75)	-	-	75	75	100	115		-	-	10	35	70	100	
ICTNWK556	Identify and resolve network problems	Networking	-	-	More than 250 (less than 1000)	-	5	85	315	400	610		-	5	70	225	320	435	
ICTNWK557	Configure and manage advanced virtual computing environments	Infrastructure	-	-	More than 1000	-	-	180	860	1205	1240		-	-	65	555	745	825	
ICTNWK558	Monitor and troubleshoot virtual computing environments	Infrastructure	-	Yes	Less than 25	-	-	10	110	10	25		-	-	-	70	5	25	
ICTNWK559	Install an enterprise virtual computing environment	Infrastructure	-	-	More than 1000	-	10	365	1060	1615	1675		-	10	145	675	1025	1055	
ICTNWK560	Determine best-fit topologies for wide area networks	Networking	-	-	More than 250 (less than 1000)	-	-	95	235	725	540		-	-	30	175	485	355	
ICTNWK561	Design enterprise wireless local area networks	Networking	-	-	More than 250 (less than 1000)	-	-	155	330	610	730		-	-	45	205	430	400	
ICTNWK562	Configure internet gateways	Networking	-	-	More than 1000	-	-	-	255	1565	1385		-	-	-	25	735	325	
ICTNWK612	Plan and manage troubleshooting advanced integrated IP networks	Networking	-	-	More than 1000	100	520	560	645	1440	2465		75	375	380	370	1010	1620	
ICTNWK615	Design and configure desktop virtualisation	Infrastructure	-	-	More than 250 (less than 1000)	675	910	780	570	785	930		485	725	555	225	590	745	
ICTNWK618	Design and implement a security system	Cyber	-	-	More than 250 (less than 1000)	-	-	65	75	230	320		-	-	50	55	160	280	
ICTNWK619	Plan, configure and test advanced server-based security	Cyber	-	-	More than 150 (less than 250)	-	10	45	55	50	195		-	5	40	40	45	180	
ICTNWK620	Design and implement wireless network security	Cyber	-	-	Less than 25	-	-	40	35	30	20		-	-	20	20	15	15	
ICTNWK621	Configure network devices for a secure network infrastructure	Cyber	-	-	More than 150 (less than 250)	-	-	55	70	150	220		-	-	30	55	105	195	

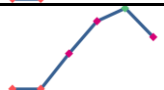
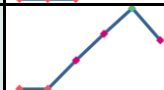
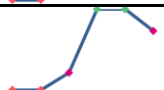
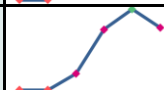
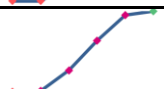
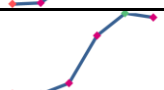
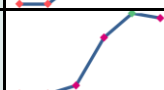
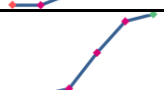
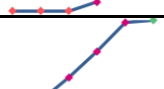
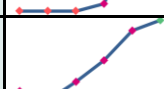
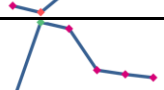
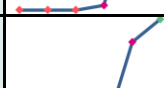
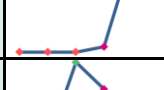
ICTNWK622	Configure and manage intrusion prevention system on network sensors	Cyber	-	-	Less than 75 (more than 25)		-	-	20	65	60	60		-	-	20	50	45	55	
ICTNWK623	Manage ICT security	Cyber	Yes	-	Less than 25		-	-	-	-	5	10		-	-	-	-	5	10	
ICTNWK624	Configure advanced internetwork routing solutions	Networking	-	-	More than 150 (less than 250)		-	-	-	20	35	180		-	-	-	5	25	150	
ICTNWK625	Plan and configure advanced internetwork switching solutions	Networking	-	-	More than 150 (less than 250)		-	-	-	25	35	170		-	-	-	10	25	155	
ICTNWK627	Implement voice applications over secure wireless networks	Networking	-	Yes	No data		-	-	-	-	-	-		-	-	-	-	-	-	
ICTNWK628	Design and build integrated VoIP networks	Networking	-	-	Less than 150 (more than 75)		-	-	-	-	75	95		-	-	-	-	20	25	
ICTNWK629	Configure and manage storage area networks	Infrastructure	-	Yes	Less than 25		-	-	-	-	-	25		-	-	-	-	-	15	
ICTOPN507	Plan and configure dense wavelength division multiplexing optical networks	Networking	-	Yes	No data		-	-	-	-	-	-		-	-	-	-	-	-	
ICTOPN508	Perform acceptance and commissioning tests on optical networks	Networking	-	Yes	No data		-	-	-	-	-	-		-	-	-	-	-	-	
ICTOPN509	Plan for optical system upgrades	Networking	-	Yes	No data		-	-	-	-	-	-		-	-	-	-	-	-	
ICTOPN510	Test and commission dense wavelength division multiplexing transmission systems	Networking	-	Yes	No data		-	-	-	-	-	-		-	-	-	-	-	-	
ICTOPN511	Test performance of specialised optical devices	Networking	-	Yes	No data		-	-	-	-	-	-		-	-	-	-	-	-	
ICTOPN512	Analyse and integrate specialised optical devices	Networking	-	Yes	No data		-	-	-	-	-	-		-	-	-	-	-	-	
ICTOPN605	Manage optical ethernet transmission	Networking	-	Yes	No data		-	-	-	-	-	-		-	-	-	-	-	-	
ICTOPN606	Manage dense wavelength division multiplexing transmission systems	Networking	-	Yes	No data		-	-	-	-	-	-		-	-	-	-	-	-	
ICTOPN607	Design dense wavelength division multiplexing systems	Networking	-	Yes	No data		-	-	-	-	-	-		-	-	-	-	-	-	
ICTOPN608	Analyse optical transmission systems	Networking	-	Yes	No data		-	-	-	-	-	-		-	-	-	-	-	-	
ICTPMG301	Contribute as part of an IT project management team	Business Analysis & Systems Solutions	-	-	More than 150 (less than 250)		-	-	-	-	220	210		-	-	-	-	125	150	
ICTPMG402	Schedule installation of customer premises equipment	Business Analysis & Systems Solutions	-	-	Less than 75 (more than 25)		30	80	40	30	30	35		30	80	40	30	30	35	
ICTPMG411	Support small scale ICT projects	Business Analysis & Systems Solutions	-	-	More than 150 (less than 250)		-	-	75	335	260	160		-	-	45	200	195	105	

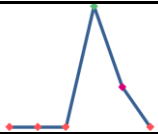
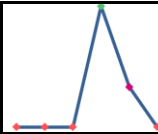
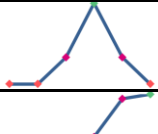
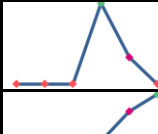
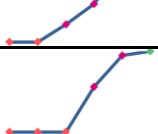
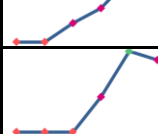
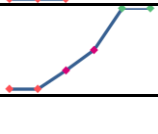
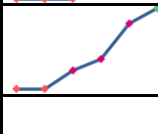
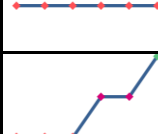
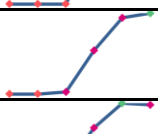
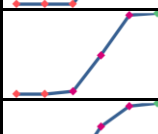
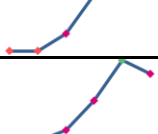
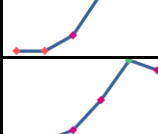
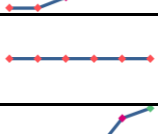
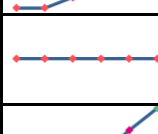
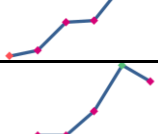
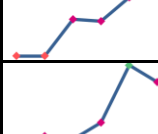
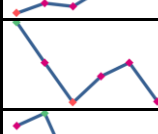
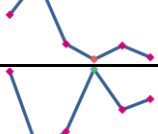
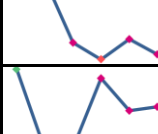
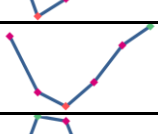
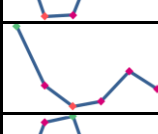
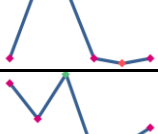
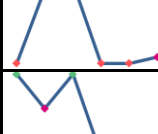
ICTPMG505	Manage ICT projects	Business Analysis & Systems Solutions	-	-	More than 1000	-	35	390	1265	2970	2830		-	25	200	625	1560	1635	
ICTPMG506	Prepare network project briefs	Business Analysis & Systems Solutions	Yes	-	Less than 25	-	-	10	-	-	-		-	-	-	-	-	-	
ICTPMG612	Manage ICT project initiation	Business Analysis & Systems Solutions	-	-	More than 250 (less than 1000)	-	-	170	230	140	370		-	-	95	165	95	285	
ICTPMG613	Manage ICT project planning	Business Analysis & Systems Solutions	-	-	More than 1000	-	-	265	890	1675	2650		-	-	125	580	1010	1940	
ICTPMG614	Manage ICT project delivery	Business Analysis & Systems Solutions	-	-	More than 150 (less than 250)	-	-	15	110	260	205		-	-	5	60	115	165	
ICTPMG615	Manage ICT project closure	Business Analysis & Systems Solutions	-	-	More than 250 (less than 1000)	-	-	85	25	170	365		-	-	40	10	95	255	
ICTPMG616	Manage ICT project systems implementation	Business Analysis & Systems Solutions	Yes	-	Less than 25	-	-	10	5	5	5		-	-	5	-	5	5	
ICTPMG617	Plan and direct complex ICT projects	Business Analysis & Systems Solutions	-	-	More than 250 (less than 1000)	-	25	265	420	615	915		-	5	135	285	330	695	
ICTPRG302	Apply introductory programming techniques	Software Development	To be considered in conjunction with Telco update	-	More than 1000	-	-	2415	11960	15990	15245		-	-	1215	6140	8205	8565	
ICTPRG429	Maintain open-source code programs	Software Development	-	Yes	Less than 75 (more than 25)	-	-	-	-	25	70		-	-	-	-	10	45	
ICTPRG430	Apply introductory object-oriented language skills	Software Development	To be considered in conjunction with Telco update	-	More than 1000	170	1700	2015	2385	2935	2505		105	1015	1085	1095	1340	1290	
ICTPRG431	Apply query language in relational databases	Data	-	-	More than 1000	-	-	80	1140	1665	1400		-	-	25	440	725	640	
ICTPRG432	Develop data-driven applications	Software Development	-	-	More than 250 (less than 1000)	-	-	90	165	255	275		-	-	25	65	105	105	
ICTPRG433	Test software developments	Software Development	-	-	More than 1000	-	-	175	1015	1195	1050		-	-	75	410	530	570	
ICTPRG434	Automate processes	AI and Automotion	-	-	More than 250 (less than 1000)	-	-	60	680	770	525		-	-	45	310	360	280	
ICTPRG435	Write scripts for software applications	Software Development	-	-	More than 250 (less than 1000)	-	-	200	770	1000	975		-	-	95	500	615	695	
ICTPRG436	Develop mobile applications	Software Development	-	-	More than 250 (less than 1000)	-	-	10	615	765	450		-	-	5	230	380	235	
ICTPRG437	Build a user interface	Software Development	-	-	More than 1000	-	-	135	1005	1305	1125		-	-	80	470	760	685	
ICTPRG438	Configure and maintain databases	Data	-	-	Less than 150 (more than 75)	-	-	-	75	90	80		-	-	-	25	60	50	

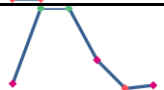
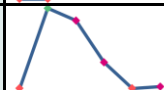
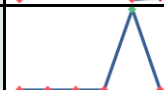
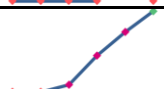
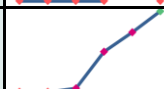
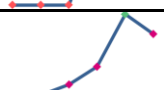
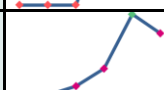
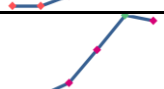
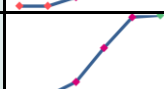
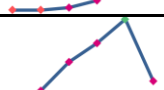
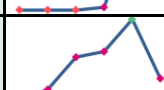
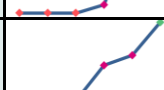
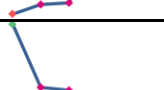
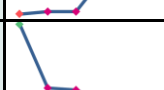
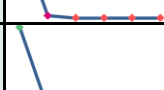
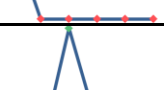
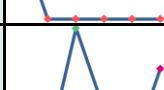
ICTPRG439	Use pre-existing components	Software Development	-	-	More than 250 (less than 1000)	-	-	-	575	655	480		-	-	-	145	230	225	
ICTPRG440	Apply introductory programming skills in different languages	Software Development	-	-	More than 1000	-	-	145	985	1340	1085		-	-	65	490	695	590	
ICTPRG441	Apply skills in object-oriented design	Software Development	-	-	More than 250 (less than 1000)	-	-	95	945	935	675		-	-	70	370	390	375	
ICTPRG442	Apply mathematical techniques for software development	Software Development	-	-	More than 150 (less than 250)	-	-	40	90	175	175		-	-	35	50	80	90	
ICTPRG443	Apply intermediate programming skills in different languages	Software Development	-	-	More than 250 (less than 1000)	-	-	120	375	605	640		-	-	85	220	350	420	
ICTPRG444	Analyse software requirements	Software Development	-	-	More than 250 (less than 1000)	-	-	55	570	510	335		-	-	15	190	235	195	
ICTPRG446	Prepare software development review	Software Development	-	-	Less than 75 (more than 25)	-	-	60	50	30	40		-	-	35	30	20	10	
ICTPRG447	Use extensible markup language	Software Development	-	Yes	No data	-	-	-	-	-	-		-	-	-	-	-	-	
ICTPRG530	Manage projects using software management tools	Software Development	-	-	More than 250 (less than 1000)	-	-	55	310	780	510		-	-	10	130	380	270	
ICTPRG531	Prepare for application development using current methods	Software Development	-	Yes	Less than 25	35	100	35	35	5	-		20	65	25	5	5	-	
ICTPRG532	Apply advanced object-oriented language skills	Software Development	-	-	More than 150 (less than 250)	375	1055	550	235	560	220		240	715	360	150	365	155	
ICTPRG533	Debug and monitor applications	Software Development	-	-	More than 250 (less than 1000)	-	-	80	380	290	305		-	-	40	205	160	210	
ICTPRG534	Deploy applications to production environments	Software Development	-	-	Less than 150 (more than 75)	-	-	-	110	100	120		-	-	-	70	50	70	
ICTPRG535	Build advanced user interfaces	Software Development	-	-	More than 250 (less than 1000)	-	-	80	550	845	915		-	-	35	240	585	720	
ICTPRG536	Design application architecture	Software Development	-	Yes	Less than 25	-	-	-	20	10	25		-	-	-	15	10	20	
ICTPRG537	Implement security for applications	Software Development	-	-	More than 150 (less than 250)	-	-	40	140	350	245		-	-	15	65	225	160	
ICTPRG538	Create mashups	Software Development	-	-	Less than 25	-	-	-	30	65	5		-	-	-	-	25	5	
ICTPRG540	Maintain custom software	Software Development	-	-	Less than 75 (more than 25)	-	-	5	25	35	65		-	-	-	20	30	45	
ICTPRG541	Monitor and support data conversion to new ICT systems	Data	Yes	-	Less than 25	-	-	5	-	-	-		-	-	5	-	-	-	
ICTPRG542	Review developed software	Software Development	-	Yes	Less than 25	-	-	5	25	5	5		-	-	-	5	5	5	

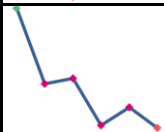
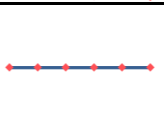
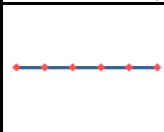
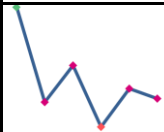
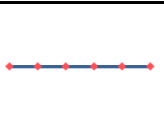
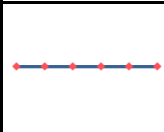
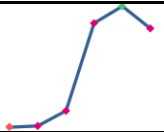
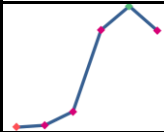
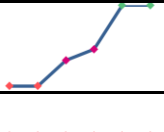
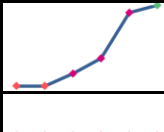
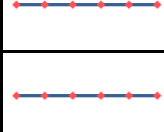
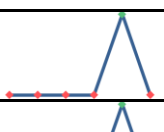
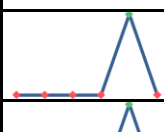
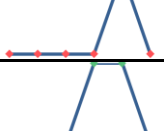
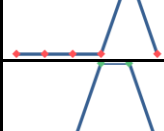
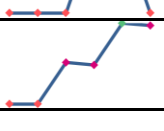
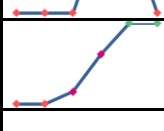
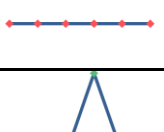
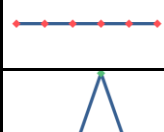
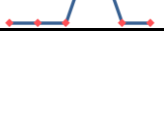
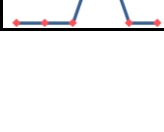
ICTPRG543	Develop integration blueprint for ICT systems	Business Analysis & Systems Solutions	-	Yes	No data	-	-	-	-	-	-		-	-	-	-	-	-	
ICTPRG544	Install, test and evaluate pilot version of ICT systems	Business Analysis & Systems Solutions	Yes	-	Less than 25	-	-	-	-	5	-		-	-	-	-	5	-	
ICTPRG545	Monitor system pilots	Business Analysis & Systems Solutions	-	Yes	No data	-	-	-	-	-	-		-	-	-	-	-	-	
ICTPRG546	Validate application designs against specifications	Software Development	-	-	Less than 75 (more than 25)	-	-	-	65	50	75		-	-	-	50	35	60	
ICTPRG547	Apply advanced programming skills in another language	Software Development	-	-	More than 250 (less than 1000)	-	-	95	445	655	585		-	-	50	265	435	455	
ICTPRG548	Develop high-level object-oriented class specifications	Software Development	-	-	Less than 25	-	-	5	25	45	-		-	-	-	20	30	-	
ICTPRG549	Apply intermediate object-oriented language skills	Software Development	-	-	More than 1000	-	-	30	930	2210	2070		-	-	20	400	1055	1185	
ICTPRG550	Perform ICT data conversions	Data	-	Yes	Less than 25	-	-	10	30	5	-		-	-	10	30	5	-	
ICTPRG551	Apply testing techniques for software development	Software Development	-	Yes	Less than 150 (more than 75)	-	-	-	10	10	105		-	-	-	10	5	60	
ICTPRG553	Create and develop REST APIs	Software Development	-	-	More than 250 (less than 1000)	-	-	160	400	620	850		-	-	90	285	425	560	
ICTPRG554	Manage data persistence using noSQL data stores	Data	-	-	More than 250 (less than 1000)	-	-	150	545	790	890		-	-	90	325	540	595	
ICTPRG555	Implement Object Relational Mapping Framework for data persistence	Software Development	-	-	Less than 75 (more than 25)	-	-	-	40	120	50		-	-	-	25	75	30	
ICTPRG556	Implement and use a model view controller framework	Software Development	-	-	More than 250 (less than 1000)	-	-	65	220	530	300		-	-	30	140	355	185	
ICTPRG557	Develop applications using agile methods	Software Development	-	Yes	Less than 25	-	-	-	-	-	5		-	-	-	-	-	-	
ICTPRG603	Develop advanced mobile multi-touch applications	Software Development	-	-	Less than 150 (more than 75)	-	-	-	70	135	110		-	-	-	50	100	85	
ICTPRG605	Manage development of technical solutions from business specifications	Business Analysis & Systems Solutions	-	Yes	Less than 75 (more than 25)	-	-	75	245	180	50		-	-	45	210	130	40	
ICTPRG614	Create cloud computing services	Cloud	-	-	More than 150 (less than 250)	-	-	40	45	90	165		-	-	20	40	80	135	
ICTRFN504	Test cellular handset enhancements and international roaming agreements	Telecomms	-	Yes	No data	-	-	-	-	-	-		-	-	-	-	-	-	
ICTRFN505	Test and measure cellular phone and network equipment performance	Telecomms	To be considered in conjunction with Telco update	-	No data	-	-	-	-	-	-		-	-	-	-	-	-	

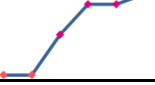
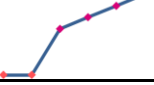
ICTRFN506	Evaluate radio frequency signal coverage plots	Telecomms	-	Yes	No data	-	-	-	-	-	-		-	-	-	-	-	-	
ICTRFN603	Monitor the capacity of and recommend changes to cellular mobile networks	Telecomms	-	Yes	No data	-	-	-	-	-	-		-	-	-	-	-	-	
ICTRFN804	Produce radio link budgets	Telecomms	-	Yes	No data	-	-	-	-	-	-		-	-	-	-	-	-	
ICTRFN805	Analyse cellular mobile network systems	Telecomms	-	Yes	No data	-	-	-	-	-	-		-	-	-	-	-	-	
ICTRFN806	Analyse satellite communications systems	Telecomms	-	Yes	No data	-	-	-	-	-	-		-	-	-	-	-	-	
ICTSAD402	Develop and present ICT feasibility reports	Broad	-	-	Less than 75 (more than 25)	-	-	75	210	65	65		-	-	40	85	45	25	
ICTSAD501	Model data objects	Software Development	-	-	More than 1000	1615	1650	1635	865	1675	1715		925	820	1040	320	615	960	
ICTSAD502	Model data processes	Software Development	-	-	More than 1000	1220	1185	875	555	1260	1500		650	645	470	335	465	810	
ICTSAD507	Design and implement quality assurance processes for business solutions	Business Analysis & Systems Solutions	-	-	More than 250 (less than 1000)	-	-	90	275	575	410		-	-	45	125	360	265	
ICTSAD508	Develop technical requirements for business solutions	Business Analysis & Systems Solutions	-	-	More than 1000	-	15	365	495	960	1495		-	15	250	300	585	1125	
ICTSAD509	Produce ICT feasibility reports	Business Analysis & Systems Solutions	-	-	More than 250 (less than 1000)	-	45	250	905	1370	825		-	35	140	585	905	550	
ICTSAD510	Manage risks when implementing new technologies	Business Analysis & Systems Solutions	-	-	Less than 75 (more than 25)	-	-	-	30	50	70		-	-	-	15	35	50	
ICTSAD604	Manage and communicate ICT solutions	Business Analysis & Systems Solutions	-	-	Less than 150 (more than 75)	250	255	290	205	165	125		190	205	245	110	120	85	
ICTSAD608	Perform ICT-focused enterprise analysis	Business Analysis & Systems Solutions	-	-	Less than 150 (more than 75)	-	10	150	130	240	130		-	-	95	80	140	90	
ICTSAD609	Plan and monitor business analysis activities in an ICT environment	Business Analysis & Systems Solutions	-	-	More than 1000	-	80	665	1460	2505	3480		-	40	360	835	1625	2610	
ICTSAD610	Analyse stakeholder requirements	Business Analysis & Systems Solutions	-	-	Less than 150 (more than 75)	-	-	130	115	140	80		-	-	95	80	100	60	
ICTSAD611	Manage assessment and validation of ICT solutions	Business Analysis & Systems Solutions	-	-	Less than 150 (more than 75)	-	-	105	205	220	115		-	-	85	110	155	85	
ICTSAD612	Implement and maintain uses of containerisation	Infrastructure	-	Yes	Less than 75 (more than 25)	-	-	10	60	25	45		-	-	10	40	15	35	
ICTSAD613	Install and configure container orchestration services	Infrastructure	-	Yes	Less than 25	-	-	10	50	10	20		-	-	5	35	5	20	
ICTSAD614	Lead ICT requirements elicitation	Business Analysis & Systems Solutions	-	-	Less than 75 (more than 25)	-	-	-	-	95	55		-	-	-	-	70	40	

ICTSAS210	Update and maintain hardware, software and documentation inventories	Business Analysis & Systems Solutions	-	-	More than 150 (less than 250)	-	-	30	120	150	180		-	-	-	95	95	135	
ICTSAS211	Develop solutions for basic ICT malfunctions and problems	Business Analysis & Systems Solutions	-	-	More than 250 (less than 1000)	-	-	205	390	465	300		-	-	130	250	365	220	
ICTSAS212	Record the requirements of client support requests	Business Analysis & Systems Solutions	-	-	More than 150 (less than 250)	-	-	65	300	300	220		-	-	45	165	220	170	
ICTSAS213	Maintain the integrity of ICT systems	Infrastructure	-	-	More than 250 (less than 1000)	-	10	170	400	600	630		-	-	125	270	405	465	
ICTSAS214	Protect devices from spam and destructive software	Cyber	-	-	More than 1000	-	5	425	2280	3145	2985		-	-	215	1400	1995	1875	
ICTSAS215	Protect and secure information assets	Cyber	-	-	More than 250 (less than 1000)	-	-	40	265	460	505		-	-	15	180	310	370	
ICTSAS216	Maintain ICT equipment and replace consumables	Infrastructure	-	-	More than 250 (less than 1000)	-	-	180	270	295	260		-	-	100	205	210	200	
ICTSAS217	Connect a home based local wireless network	Networking	-	-	More than 150 (less than 250)	-	-	80	245	165	220		-	-	25	190	85	170	
ICTSAS218	Obtain and connect hardware peripherals	Infrastructure	-	-	More than 1000	-	-	-	160	1135	1405		-	-	-	80	780	885	
ICTSAS305	Provide ICT advice to clients	Broad	-	-	More than 1000	4260	3725	5620	7755	10140	10330		2835	2340	3340	4485	6070	6630	
ICTSAS308	Run standard diagnostic tests	Broad	-	-	More than 1000	730	7600	7055	3480	3135	2845		330	4305	4175	2000	1950	1915	
ICTSAS309	Maintain and repair ICT equipment and software	Infrastructure	-	-	More than 1000	-	-	45	1195	1635	1625		-	-	35	870	1165	1240	
ICTSAS310	Install, configure and secure a small office or home office network	Networking	To be considered in conjunction with Telco update	-	More than 1000	-	-	630	3365	4790	5420		-	-	365	1985	2830	3320	
ICTSAS311	Maintain computer hardware	Infrastructure	To be considered in conjunction with Telco update	-	More than 250 (less than 1000)	-	-	-	40	640	685		-	-	-	15	380	370	
ICTSAS312	Provide basic system administration	Infrastructure	To be considered in conjunction with Telco update	-	More than 1000	-	-	-	160	2240	2710		-	-	-	85	1565	1930	
ICTSAS428	Hand over ICT system components to clients	Infrastructure	-	Yes	Less than 25	-	-	35	25	5	-		-	-	30	20	5	-	
ICTSAS432	Identify and resolve client ICT problems	Business Analysis & Systems Solutions	-	-	More than 1000	-	-	645	4775	6835	5400		-	-	360	2270	3185	2665	
ICTSAS433	Update ICT client support procedures and assist with policy development	Business Analysis & Systems Solutions	To be considered in conjunction with Telco update	-	Less than 150 (more than 75)	-	-	15	125	165	115		-	-	15	95	130	90	

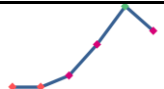
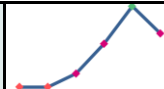
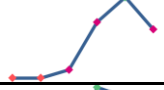
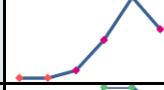
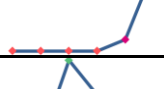
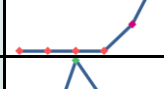
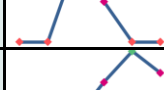
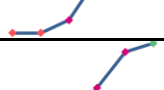
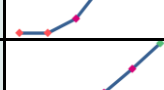
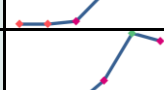
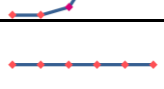
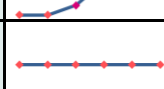
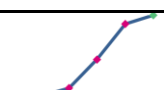
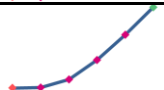
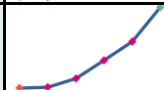
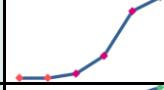
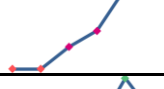
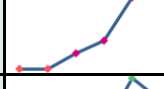
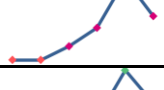
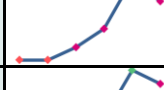
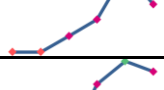
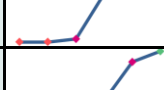
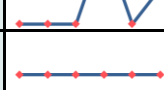
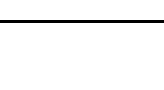
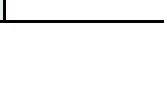
ICTSAS434	Action change requests and present updated ICT system to clients	Broad	To be considered in conjunction with Telco update	-	Less than 25	-	-	-	15	5	-		-	-	-	15	5	-	
ICTSAS435	Resolve system faults on a live system	Business Analysis & Systems Solutions	-	Yes	Less than 25	-	-	5	15	5	-		-	-	-	15	5	-	
ICTSAS436	Evaluate ICT system status	Business Analysis & Systems Solutions	-	-	More than 250 (less than 1000)	-	-	60	130	260	275		-	-	45	80	150	190	
ICTSAS437	Optimise ICT system performance	Business Analysis & Systems Solutions	-	-	More than 250 (less than 1000)	-	-	-	325	550	580		-	-	-	100	230	205	
ICTSAS438	Implement maintenance procedures	Business Analysis & Systems Solutions	-	-	More than 250 (less than 1000)	-	-	65	135	280	280		-	-	50	80	175	215	
ICTSAS439	Analyse ICT system capacity and implement enhancements	Business Analysis & Systems Solutions	-	Yes	No data	-	-	-	-	-	-		-	-	-	-	-	-	
ICTSAS440	Monitor and administer security of ICT systems	Cybersecurity	-	Yes	Less than 25	-	-	-	20	15	25		-	-	-	10	10	20	
ICTSAS441	Support ICT system software	Business Analysis & Systems Solutions	-	-	More than 250 (less than 1000)	-	-	25	470	820	870		-	-	15	200	405	415	
ICTSAS442	Provide first-level remote help desk support	Business Analysis & Systems Solutions	-	-	More than 250 (less than 1000)	-	-	150	485	695	680		-	-	105	385	520	540	
ICTSAS443	Support operating system users and troubleshoot applications	Business Analysis & Systems Solutions	-	-	More than 250 (less than 1000)	-	-	80	295	590	490		-	-	55	205	405	355	
ICTSAS444	Repair operating systems boot up procedures	Business Analysis & Systems Solutions	-	Yes	No data	-	-	-	-	-	-		-	-	-	-	-	-	
ICTSAS445	Configure and troubleshoot operating system software	Business Analysis & Systems Solutions	-	-	More than 250 (less than 1000)	-	20	120	125	250	285		-	-	100	95	160	220	
ICTSAS446	Fault find and troubleshoot ICT equipment, hardware and software problems	Business Analysis & Systems Solutions	-	-	Less than 150 (more than 75)	-	20	20	65	150	120		-	15	10	35	120	95	
ICTSAS502	Establish and maintain client user liaison	Business Analysis & Systems Solutions	-	-	More than 250 (less than 1000)	1035	725	515	675	925	505		750	540	335	470	540	340	
ICTSAS506	Update ICT system operational procedures	Business Analysis & Systems Solutions	-	-	Less than 150 (more than 75)	440	685	240	135	230	150		355	405	155	90	170	110	
ICTSAS512	Review and manage delivery of maintenance services	Business Analysis & Systems Solutions	-	-	More than 250 (less than 1000)	440	85	165	450	265	315		380	70	75	345	220	235	
ICTSAS518	Install and upgrade operating systems	Infrastructure	-	-	More than 1000	1925	1080	865	1230	1785	2075		1470	805	570	625	965	765	
ICTSAS519	Perform systems tests	Broad	-	Yes	Less than 25	15	90	85	15	10	15		10	70	75	10	10	15	
ICTSAS520	Develop detailed test plans	Broad	-	Yes	Less than 75 (more than 25)	55	35	60	15	20	30		45	30	45	10	15	15	

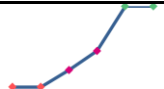
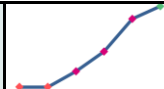
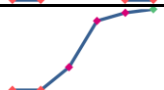
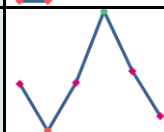
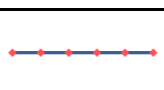
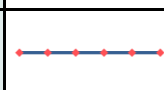
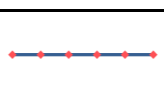
ICTSAS521	Perform integration tests	Broad	Yes	-	Less than 25	-	-	10	5	5	5		-	-	10	5	5	5	
ICTSAS522	Manage the testing process	Broad	-	Yes	Less than 25	30	270	270	105	15	25		10	240	205	85	10	15	
ICTSAS523	Perform stress and load tests on integrated platforms	Broad	Yes	-	Less than 25	-	-	-	-	5	-		-	-	-	-	5	-	
ICTSAS524	Develop, implement and evaluate an incident response plan	Broad	-	-	More than 1000	-	-	155	780	1280	1720		-	-	45	470	695	940	
ICTSAS525	Develop and conduct client acceptance tests	Broad	Yes	-	Less than 25	-	-	-	10	10	5		-	-	-	10	10	5	
ICTSAS526	Review and update disaster recovery and contingency plans	Broad	-	-	More than 1000	-	-	315	835	2370	1795		-	-	155	460	1395	1065	
ICTSAS527	Manage client problems	Business Analysis & Systems Solutions	-	-	More than 1000	-	30	1100	3815	6680	6215		-	10	715	2430	3995	4085	
ICTSAS528	Review and develop ICT maintenance strategies	Business Analysis & Systems Solutions	-	-	Less than 150 (more than 75)	-	-	5	20	165	80		-	-	-	5	135	75	
ICTSAS529	Prioritise ICT change requests	Business Analysis & Systems Solutions	-	-	Less than 25	-	10	40	60	85	20		-	10	40	45	75	20	
ICTSAS530	Use network tools	Infrastructure	-	-	More than 250 (less than 1000)	-	-	-	130	1170	610		-	-	-	80	770	425	
ICTSAS602	Implement change management processes	Business Analysis & Systems Solutions	-	-	More than 150 (less than 250)	-	30	35	250	125	195		-	5	5	75	95	160	
ICTSUS402	Install and test power saving hardware	Infrastructure	-	Yes	Less than 75 (more than 25)	310	85	75	30	25	35		220	65	60	30	25	35	
ICTSUS403	Install and test power management software	Infrastructure	Yes	-	Less than 25	225	10	-	-	-	-		155	5	-	-	-	-	
ICTSUS404	Install thin client applications for power over ethernet	Infrastructure	Yes	-	Less than 25	10	-	-	-	-	-		5	-	-	-	-	-	
ICTSUS502	Install and test virtual infrastructure	Infrastructure	To be considered in conjunction with Telco update	-	Less than 25	-	-	25	5	-	10		-	-	15	5	-	10	
ICTSUS603	Integrate sustainability in ICT planning and design projects	Business Analysis & Systems Solutions	To be considered in conjunction with Telco update	-	More than 150 (less than 250)	-	-	125	200	220	245		-	-	60	155	95	185	
ICTSUS604	Prepare business cases for sustainability and competitive advantage in ICT projects	Business Analysis & Systems Solutions	-	Yes	More than 150 (less than 250)	-	-	-	145	10	210		-	-	-	85	10	115	
ICTSUS811	Conduct and manage life cycle assessments for sustainability	Business Analysis & Systems Solutions	To be considered in conjunction with Telco update	-	No data	-	-	-	-	-	-		-	-	-	-	-	-	

ICTSUS812	Lead applied research in ICT sustainability	Business Analysis & Systems Solutions	-	Yes	Less than 25	-	-	-	-	15	20		-	-	-	-	15	20	
ICTTEN410	Locate, diagnose and rectify faults	Networking	To be considered in conjunction with Telco update	-	More than 150 (less than 250)	255	315	140	250	465	225		155	240	105	195	400	200	
ICTTEN417	Install, configure and test a router	Networking	To be considered in conjunction with Telco update	-	More than 250 (less than 1000)	2125	1575	1380	820	1020	810		1315	765	805	465	595	445	
ICTTEN418	Install and test a radio frequency identification system	Telecomms	To be considered in conjunction with Telco update	-	No data	-	-	-	-	-	-		-	-	-	-	-	-	
ICTTEN419	Implement and troubleshoot enterprise routers and switches	Networking	To be considered in conjunction with Telco update	-	More than 250 (less than 1000)	830	595	665	540	890	790		580	295	405	220	335	305	
ICTTEN420	Design, install and configure an internetwork	Networking	To be considered in conjunction with Telco update	-	More than 250 (less than 1000)	925	580	770	405	450	280		605	280	420	270	335	205	
ICTTEN426	Design network projects	Networking	To be considered in conjunction with Telco update	-	No data	-	-	-	-	-	-		-	-	-	-	-	-	
ICTTEN434	Install, configure and test internet protocol networks	Networking	To be considered in conjunction with Telco update	-	More than 1000	-	20	250	1590	1850	1510		-	15	125	780	970	775	
ICTTEN519	Design network building projects	Business Analysis & Systems Solutions	-	-	More than 150 (less than 250)	-	-	70	100	220	220		-	-	25	55	145	160	
ICTTEN520	Commission network equipment	Networking	-	Yes	No data	-	-	-	-	-	-		-	-	-	-	-	-	
ICTTEN521	Integrate network systems and equipment	Networking	-	Yes	No data	-	-	-	-	-	-		-	-	-	-	-	-	
ICTTEN522	Cut over new and replacement network equipment	Networking	Yes	-	Less than 25	-	-	-	-	5	-		-	-	-	-	5	-	
ICTTEN523	Locate, diagnose and rectify complex system equipment faults	Networking	Yes	-	Less than 25	-	-	-	-	5	-		-	-	-	-	5	-	
ICTTEN524	Diagnose and organise repair of complex equipment faults	Networking	Yes	-	Less than 25	-	-	-	5	5	-		-	-	-	5	5	-	
ICTTEN525	Install, configure and test local area network switches	Networking	-	-	More than 150 (less than 250)	-	-	90	85	175	170		-	-	10	40	65	65	
ICTTEN526	Dimension and design a radio frequency identification system	Telecomms	-	Yes	No data	-	-	-	-	-	-		-	-	-	-	-	-	
ICTTEN527	Plan wireless mesh networks	Networking	Yes	-	Less than 25	-	-	-	5	-	-		-	-	-	5	-	-	

ICTTEN613	Assess integration of international network equipment into Australian networks	Networking	-	Yes	No data	-	-	-	-	-	-		-	-	-	-	-	-	
ICTTEN614	Conduct network system optimisation and administration	Infrastructure	-	-	Less than 75 (more than 25)	-	-	-	45	35	60		-	-	-	35	20	35	
ICTTEN615	Manage network traffic	Business Analysis & Systems Solutions	-	-	More than 1000	-	-	145	725	1515	2155		-	-	40	410	885	1350	
ICTTEN616	Rectify client services following network outages and faults	Networking	-	-	Less than 75 (more than 25)	-	-	20	35	35	40		-	-	20	25	30	35	
ICTTEN617	Manage common channel signalling networks	Telecomms	-	Yes	No data	-	-	-	-	-	-		-	-	-	-	-	-	
ICTTEN618	Analyse and organise repair of highly complex networks	Networking	-	-	Less than 75 (more than 25)	-	-	80	5	140	65		-	-	55	5	90	10	
ICTTEN619	Test new software and hardware releases	Infrastructure	-	Yes	Less than 25	-	-	-	-	-	5		-	-	-	-	-	-	
ICTTEN620	Produce and evaluate architecture designs for convergent cellular mobile networks	Telecomms	-	Yes	No data	-	-	-	-	-	-		-	-	-	-	-	-	
ICTTEN621	Design and configure IP-MPLS networks with virtual private network tunnelling	Networking	-	-	Less than 150 (more than 75)	-	-	5	30	75	110		-	-	-	-	15	30	
ICTTEN622	Produce ICT network architecture designs	Networking	-	-	More than 1000	-	-	200	740	1560	2560		-	-	75	475	895	1615	
ICTTEN623	Design and manage internet protocol TV in a service provider network	Networking	-	Yes	No data	-	-	-	-	-	-		-	-	-	-	-	-	
ICTTEN817	Plan transmission networks	Networking	-	-	Less than 150 (more than 75)	-	-	70	120	275	115		-	-	25	95	160	70	
ICTTEN818	Align systems with product and technology strategy	Business Analysis & Systems Solutions	-	Yes	No data	-	-	-	-	-	-		-	-	-	-	-	-	
ICTTEN819	Translate domain and solution architectures into platform requirements and designs	Business Analysis & Systems Solutions	-	Yes	No data	-	-	-	-	-	-		-	-	-	-	-	-	
ICTTEN820	Manage end to end architectural solutions across multiple domains	Networking	-	Yes	No data	-	-	-	-	-	-		-	-	-	-	-	-	
ICTTEN821	Manage solution architecture and impacts	Networking	-	Yes	No data	-	-	-	-	-	-		-	-	-	-	-	-	
ICTTEN822	Manage application layer solutions	Networking	-	Yes	No data	-	-	-	-	-	-		-	-	-	-	-	-	
ICTTEN823	Manage voice, data and internet protocol network solutions	Networking	-	Yes	No data	-	-	-	-	-	-		-	-	-	-	-	-	
ICTTEN824	Manage network testing strategies	Networking	-	-	Less than 75 (more than 25)	-	-	-	35	40	40		-	-	-	25	30	35	
ICTTEN825	Investigate applications of cloud networks in network switching	Cloud	-	Yes	No data	-	-	-	-	-	-		-	-	-	-	-	-	

ICTTEN826	Evaluate and apply digital signal processing to communication systems	Telecomms	-	Yes	Less than 25		-	-	-	-	10	5		-	-	-	-	10	5	
ICTTEN827	Produce engineering solutions	Telecomms	-	Yes	Less than 25		-	-	-	-	10	5		-	-	-	-	10	5	
ICTTEN828	Manage development and application of testing artefacts	Broad	-	Yes	No data		-	-	-	-	-	-		-	-	-	-	-	-	
ICTWEB304	Build simple web pages	Software Development	-	-	More than 1000		-	20	565	3195	4285	3980		-	-	265	1650	2390	2205	
ICTWEB305	Produce digital images for the web	Software Development	-	-	More than 1000		-	-	420	2455	3200	3295		-	-	175	1405	1720	1785	
ICTWEB306	Develop web presence using social media	Broad	-	-	More than 1000		-	-	120	1460	1765	1440		-	-	70	975	1165	1050	
ICTWEB430	Produce server-side script for dynamic web pages	Software Development	-	-	More than 250 (less than 1000)		30	360	435	435	600	535		20	245	300	200	370	345	
ICTWEB431	Create and style simple markup language documents	Software Development	-	-	More than 1000		50	1780	2250	2530	4160	4020		35	855	1155	1265	2150	2205	
ICTWEB432	Design website layouts	Software Development	-	-	More than 1000		-	-	205	925	1585	1435		-	-	125	395	740	700	
ICTWEB433	Confirm accessibility of websites	Software Development	-	-	More than 1000		-	-	170	880	1315	1075		-	-	105	385	625	500	
ICTWEB434	Transfer content to websites	Software Development	-	-	More than 250 (less than 1000)		-	-	50	455	920	685		-	-	30	250	510	385	
ICTWEB435	Maintain website performance	Software Development	-	Yes	Less than 25		-	-	-	5	5	20		-	-	-	5	5	15	
ICTWEB436	Monitor traffic and compile website traffic reports	Software Development	-	-	Less than 150 (more than 75)		-	-	-	25	70	90		-	-	-	15	30	40	
ICTWEB437	Create website testing procedures	Software Development	-	Yes	No data		-	-	-	-	-	-		-	-	-	-	-	-	
ICTWEB438	Conduct operational acceptance tests of websites	Software Development	-	Yes	No data		-	-	-	-	-	-		-	-	-	-	-	-	
ICTWEB439	Confirm basic website security	Software Development	-	-	Less than 75 (more than 25)		-	-	-	25	35	60		-	-	-	15	20	40	
ICTWEB440	Use web authoring tools	Software Development	-	-	Less than 75 (more than 25)		-	-	5	35	65	40		-	-	-	15	40	25	
ICTWEB441	Produce basic client-side script	Software Development	-	-	More than 1000		-	-	270	1375	2290	2235		-	-	150	390	1160	1370	
ICTWEB442	Produce interactive web animation	Software Development	-	-	Less than 75 (more than 25)		-	-	5	35	40	35		-	-	-	10	15	20	
ICTWEB443	Implement search engine optimisations	Software Development	-	-	More than 250 (less than 1000)		-	-	105	475	665	480		-	-	70	240	400	310	

ICTWEB444	Create responsive website layouts	Software Development	-	-	More than 250 (less than 1000)	-	-	150	545	1035	720		-	-	85	270	505	335	
ICTWEB445	Implement content management systems	Software Development	-	-	More than 250 (less than 1000)	-	-	45	305	440	265		-	-	25	125	265	160	
ICTWEB446	Integrate social web technologies	Software Development	-	-	Less than 75 (more than 25)	-	-	-	80	70	50		-	-	-	55	55	40	
ICTWEB447	Build basic website using development software and ICT tools	Software Development	-	-	Less than 150 (more than 75)	-	-	65	180	165	95		-	-	45	105	105	65	
ICTWEB448	Confirm website content meets technical protocols and standards	Software Development	-	Yes	Less than 75 (more than 25)	-	-	-	-	5	35		-	-	-	-	5	15	
ICTWEB449	Confirm website access and useability	Software Development	-	Yes	Less than 25	-	-	35	20	-	-		-	-	30	15	-	-	
ICTWEB450	Evaluate and select a web hosting service	Software Development	-	-	More than 250 (less than 1000)	-	-	115	480	710	500		-	-	80	275	445	325	
ICTWEB451	Apply structured query language in relational databases	Software Development	-	-	More than 1000	-	-	55	945	1890	2115		-	-	45	495	875	1280	
ICTWEB452	Create a markup language document	Software Development	-	-	More than 1000	-	-	290	1770	2895	2395		-	-	170	580	1395	1260	
ICTWEB453	Optimise websites for mobile devices	Software Development	-	Yes	No data	-	-	-	-	-	-		-	-	-	-	-	-	
ICTWEB513	Build dynamic websites	Software Development	-	-	More than 1000	-	5	355	1625	3200	3580		-	5	175	645	1420	1995	
ICTWEB514	Create dynamic web pages	Software Development	-	-	More than 1000	-	20	355	1160	2195	3330		-	15	180	510	855	1480	
ICTWEB517	Create web-based programs	Software Development	-	-	More than 1000	-	-	105	580	1720	1665		-	-	45	225	670	810	
ICTWEB518	Build a document using extensible markup language	Software Development	-	-	More than 250 (less than 1000)	-	-	290	500	1055	985		-	-	150	270	680	765	
ICTWEB519	Develop complex web page layouts	Software Development	-	-	More than 250 (less than 1000)	-	-	295	680	1705	930		-	-	145	350	900	655	
ICTWEB520	Develop complex cascading style sheets	Software Development	-	-	More than 250 (less than 1000)	-	-	310	630	1555	920		-	-	160	315	780	650	
ICTWEB521	Customise complex ICT content management systems	Software Development	-	-	More than 250 (less than 1000)	-	-	10	340	475	415		-	-	10	155	260	225	
ICTWEB522	Develop website information architecture	Software Development	-	-	More than 250 (less than 1000)	-	-	150	315	695	735		-	-	90	190	425	490	
ICTWEB523	Manage transactions using site server tools	Software Development	-	Yes	Less than 25	-	-	25	70	15	25		-	-	-	45	-	20	
ICTWEB524	Analyse information and assign meta tags	Software Development	-	Yes	No data	-	-	-	-	-	-		-	-	-	-	-	-	

ICTWEB525	Implement quality assurance process for websites	Software Development	-	-	More than 250 (less than 1000)	-	-	120	255	570	570		-	-	75	170	325	385	
ICTWEB526	Implement and use web services	Software Development	-	Yes	Less than 25	-	-	20	5	-	-		-	-	-	-	-	-	
ICTWEB527	Research and apply emerging web technology trends	Business Analysis & Systems Solutions	-	-	More than 250 (less than 1000)	-	-	100	300	335	350		-	-	60	195	215	270	
ICTWHS204	Follow work health and safety and environmental policy and procedures	Broad	To be considered in conjunction with Telco update	-	More than 1000	1610	1190	1530	2005	1610	1290		1100	895	1105	1415	1155	960	
ICTXRE401	Apply augmented reality solutions in organisations	Games and Design	-	Yes	No data	-	-	-	-	-	-		-	-	-	-	-	-	
ICTXRE402	Apply virtual reality solutions in organisations	Games and Design	-	Yes	No data	-	-	-	-	-	-		-	-	-	-	-	-	
ICTXRE403	Design mixed reality solutions	Games and Design	-	Yes	No data	-	-	-	-	-	-		-	-	-	-	-	-	