

SKILLS FRAMEWORK FOR INFOCOMM TECHNOLOGY TECHNICAL SKILLS & COMPETENCIES (TSC) REFERENCE DOCUMENT

TSC Category	Development and Implementation					
TSC Title	Security Programme Management					
TSC Description	Develop and manage security solutions, products and services through technology innovation, experimentation and collaboration. This includes security programme planning, developing and testing new security capabilities and implementing security technologies and programmes					
TSC Proficiency Description	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6
			ICT-DIT-3013-1.1	ICT-DIT-4013-1.1	ICT-DIT-5013-1.1	
			Detail the security requirements for system architecture components and implement security programmes	Manage large scale secure system initiatives and collaborations with programmers to develop new security solutions and capabilities	Spearhead new, complex or revolutionary security programmes, and integrate a suite of enterprise-wide security programmes into a cohesive security architecture	
Knowledge			<ul style="list-style-type: none"> Security measures and indicators Common tools and methodologies in security programme development Systems and integration testing Maintenance procedures for security programmes 	<ul style="list-style-type: none"> Components of security architecture IT security knowledge of various threats and system vulnerabilities that the organisation Objectives of security programmes Feasibility studies and cost-benefit analysis Metrics for evaluating security programmes 	<ul style="list-style-type: none"> Industry trends in security management New and emerging techniques for security programme development Interdependencies among system and security components Security architecture development 	
Abilities			<ul style="list-style-type: none"> Assess the current level of security capabilities in enterprise system components Detail the security requirements for system architecture components Liaise with stakeholders to co-develop security products and services Pilot the developed security programme, product or service, checking for effectiveness and compatibility 	<ul style="list-style-type: none"> Review security robustness and risks of existing system architecture Develop objectives of security systems and programmes Manage large scale or complex secure system programmes and initiatives Lead collaboration to develop new security solutions, products, services or capabilities 	<ul style="list-style-type: none"> Apply new, revolutionary security solutions, programmes and capabilities required by the organisation Manage culture of innovation and experimentation in security programme development Review business viability and value of security programmes Manage oversight of a suite of organisation- 	

SKILLS FRAMEWORK FOR INFOCOMM TECHNOLOGY TECHNICAL SKILLS & COMPETENCIES (TSC) REFERENCE DOCUMENT

			<ul style="list-style-type: none"> Coordinate the roll out of specific security projects, products or services Run regular maintenance and performance checks on new security programmes or system components throughout the IT service lifecycle 	<ul style="list-style-type: none"> Perform feasibility studies and cost-benefit analysis on security programmes Develop a business case for security programmes Manage implementation of new security programmes and safeguards Evaluate the effectiveness of new security programmes 	<p>wide security solutions and systems</p> <ul style="list-style-type: none"> Integrate security programmes into a cohesive security architecture Align information systems strategic plans with business needs and the organisation's security requirements Lead the implementation of enterprise-wide IT security programmes 	
Range of Application						