

Skills Framework for Infocomm Technology

Overview of Technical Skills & Competencies (TSC)

TSC Category	TSC Title	Proficiency Levels					
		Level 1	Level 2	Level 3	Level 4	Level 5	Level 6
Analytical Thinking	Systems Thinking						
Business and Project Management	Agile Coaching						
	Business Agility						
	Business Continuity						
	Business Environment Analysis						
	Business Innovation						
	Business Needs Analysis						
	Business Process Re-engineering						
	Business Requirements Mapping						
	Business Risk Management						
	Change Management						
	Crisis Management						
	Demand Analysis						
	Disaster Recovery Management						
	Emerging Technology Synthesis						
	Manpower Planning						
	Portfolio Management						
	Process Improvement and Optimisation						
	Product Management						
	Project Feasibility Assessment						
	Project Management						
Strategy Planning							
Sustainability Management							
Business Development	Business Negotiation						
	Data Analytics						
	Networking						
Business Finance	Budgeting						
Design and Architecture	Data Design						
	Design Thinking Practice						
	Embedded Systems Integration						
	Embedded Systems Interface Design						
	Enterprise Architecture						
	Infrastructure Design						
	Narrative Design in Product Development						
	Organisational Design						
	Security Architecture						
	Software Design						
	Solution Architecture						
	Systems Design						
	User Experience Design						
	User Interface Design						
Development and Implementation	Agile Software Development						
	Applications Development						
	Applications Integration						
	Cloud Computing						
	Computational Modelling						
	Computer Vision Technology						
	Configuration Tracking						
	Continuous Integration and Continuous Deployment						
	Control System Programming						
	Data Engineering						
	Data Visualisation and Storyboarding						
	Embedded Systems Programming						
	Failure Analysis						
	Infrastructure Deployment						
	Intelligent Reasoning						
	Network Configuration						
	Network Security						
	Network Slicing						
	Pattern Recognition Systems						
	Process Validation						
	Quality Assurance						
	Quality Engineering						
	Radio Frequency Engineering						
	Research						
	Security Assessment and Testing						
	Security Programme Management						
	Self-Learning Systems						
	Software Configuration						
	Software Testing						
	System Integration						
	Test Planning						
	Text Analytics and Processing						
	User Testing and Usability Testing						
General Management	Business Performance Management						
	Vendor Management						
Governance and Compliance	Data Protection Management						
	Data Sharing						
	IT Standards						
Operations and User Support	Applications Support and Enhancement						

Cyber and Data Breach Incident Management	Cyber and Data Breach Incident Management		
	Cyber Forensics		
	Data Centre Facilities Management		
	Data Migration		
	Database Administration		
	Infrastructure Support		
	IT Asset Management		
	Network Administration and Maintenance		
	Performance Management		
	Problem Management		
	Security Administration		
	Security Education and Awareness		
	Threat Analysis and Defence		
	Threat Intelligence and Detection		
People Development	Learning and Development		
	People and Performance Management		
Risk Management, Governance and Regulatory Compliance	AI Ethics and Governance		
	Audit and Compliance		
	Cyber Risk Management		
	Data Ethics		
	Data Governance		
	Internal Controls in Product Development		
	IT Governance		
	Quality Standards		
	Product Risk Analytics		
	Risk and Crisis Management		
	Product Risk Assessment		
	Risk Compliance and Governance		
	Security Governance		
Sales and Marketing	Account Management		
	Brand Management		
	Business Development		
	Consumer Intelligence Analysis		
	Content Management		
	Content Strategy		
	Customer Behaviour Analysis		
	Customer Experience Management		
	Design Concepts Generation		
	Integrated Marketing		
	Market Research		
	Market Trend Analysis		
	Marketing Campaign Management		
	Marketing Communications Plan Development		
	Marketing Mix Management		
	Marketing Strategy		
	Media Platforms Management		
	Media Strategy Development		
	Pricing Strategy		
	Sales Channel Management		
Sales Strategy			
Technical Sales Support			
Stakeholder and Contract Management	Contract Management		
	Partnership Management		
	Procurement		
	Service Level Management		
	Stakeholder Management		
Strategy Planning and Implementation	Data Strategy		
	Infrastructure Strategy		
	IT Strategy		
	Organisational Analysis		
	Security Strategy		
	Strategy Implementation		
Technology Management	Artificial Intelligent Application in Product Development		
	Automation Management in Product Development		