

SKILLS FRAMEWORK FOR INFOCOMM TECHNOLOGY SKILLS MAP – ENTERPRISE ARCHITECT		
Sector	Infocomm Technology	
Track	Strategy and Governance	
Sub-track	Enterprise Architecture	
Occupation	Enterprise Architect	
Job Role	Enterprise Architect	
Job Role Description	<p>The Enterprise Architect leads the ecosystem-wide technical and business discussions in respect to future enterprise direction, aligning architecture strategy with organisational goals. He/She leads and facilitate the development of governing principles to guide enterprise architecture decision making, and formulates the enterprise architectural requirements. He develops plans and assess improvement options and oversees the quality activities within the organisation. He establishes a technology research strategy and roadmap, oversees the research and evaluation of emerging technology, industry and emerging trends, and advises on options, risks, costs versus benefits, system impact and technology priorities.</p> <p>He works in a dynamic and evolving business environment. He is knowledgeable of relevant enterprise architecture methodologies, frameworks and modelling tools, as well as information technology architectures and technologies. He is also familiar with organisational design frameworks, and process mapping tools.</p> <p>The Enterprise Architect effectively synthesises diverse enterprise needs and perspectives, and is able to put forth original and fresh ideas, solutions and recommendations. He possesses superior leadership and communication abilities and is able to influence key stakeholders.</p>	
Critical Work Functions and Key Tasks	Critical Work Functions	Key Tasks
	Formulate the organisation's architecture strategy, roadmap, standards, policies and procedures, and governance	Lead the ecosystem-wide technical and business discussions in respect to future enterprise direction
		Align architecture strategy with organisational goals
		Define principles that guide technology decisions and the relationship between industry and market trends and specified technology
		Develop and communicate ecosystem-wide policies, standards, guidelines and procedures
		Lead and facilitate the development of governing principles to guide enterprise architecture decision making
		Manage exceptions to architectural standards at an enterprise level
		Lead the enterprise architecture ecosystem-wide governance processes
	Develop architecture requirements and maintain oversight	Formulate the enterprise architectural requirements
		Identify reuse goals, opportunities and related explorations
		Lead the development of software and data delivery platforms with reusable components that can be orchestrated together into different methods for different business
	Manage quality and continuous improvement of architecture	Develop plans and assess improvement options
		Approve modification of enterprise architecture to meet project needs
		Oversee ongoing quality activities within the organisation
		Champion improvement-related initiatives
	Research emerging technologies	Advise on options, risks, costs versus benefits, system impact and technology priorities
		Determine business requirements and the impact of technology trade-offs on strategy
		Ensure projects are aligned with enterprise architecture
		Develop communication plans for enterprise architecture

		Establish a technology research strategy and roadmap		
		Oversee the research and evaluation of emerging technology, industry and emerging trends		
		Review and approve organisational requirements for resources and structures necessary to support initiatives		
Skills and Competencies	Technical Skills and Competencies		Generic Skills and Competencies	
	Agile Software Development	Level 6	Decision Making	Advanced
	Business Agility	Level 5	Interpersonal Skills	Advanced
	Business Environment Analysis	Level 5	Leadership	Advanced
	Business Innovation	Level 6	Problem Solving	Advanced
	Business Performance Management	Level 5	Resource Management	Advanced
	Business Risk Management	Level 6		
	Change Management	Level 6		
	Design Thinking Practice	Level 5		
	Enterprise Architecture	Level 6		
	IT Strategy	Level 5		
	Networking	Level 5		
	Organisational Analysis	Level 6		
	Organisational Design	Level 5		
	Partnership Management	Level 6		
	Performance Management	Level 6		
	Project Feasibility Assessment	Level 5		
	Project Management	Level 6		
	Solution Architecture	Level 6		
	Stakeholder Management	Level 6		
	Strategy Planning	Level 5		
	Sustainability Management	Level 5		
	Programme Listing	For a list of Training Programmes available for the ICT sector, please visit: www.skillsfuture.sg/skills-framework/ict		

The information contained in this document serves as a guide.