

	CVII I C EDAME	WORK FOR INFOCOMM TECHNOLOGY			
		AP – HEAD OF INFRASTRUCTURE			
Sector	Infocomm Technology				
Track	Infrastructure				
Occupation	Infrastructure Engineer				
Job Role	Head of Infrastructure				
Job Role Description	The Head of Infrastructure establishes organisation's overall IT infrastructure strategy and roadmap to transition the organisation towards its future-state IT infrastructure. He/She advices on the development of IT infrastructure standards and governance policies and processes for operations, as well as capabilities and constraints of the IT infrastructure environment. He establishes governance policies, standards, procedures and guidelines to ensure that IT infrastructure architecture, solutions, and technologies are aligned with the organisation's vision and strategy. He builds strong partnership with key stakeholders from a strategic and operational perspective to ensure alignment with business requirements and expectations. He is an proficient with with enterprise architecture methodologies and frameworks, architecture modelling tools, as well as product development methodologies. He is knowledgeable of various cloud, network, storage and security technologies, as well as cloud computing models and services. The Head of Infrastructure is an influential leader with a broad sense of perspective to be able to drive decisions with key internal and external stakeholders. He is strategic in his approach to managing resources and developing capabilities within the team.				
	Critical Work Functions	Key Tasks			
	Establish infrastructure strategy and design	Establish organisation's overall IT infrastructure strategy Guide the formulation of a roadmap to transition the organisation towards its future-state IT infrastructure Determine the short-term and long-term IT infrastructure needs for current and future business requirements Advise on the design for an agile, scalable and secured IT infrastructure with built-in automation tools and workflows Provide overall IT infrastructure architecture thought leadership			
		Define desired performance standards for IT infrastructure Solicit buy-in from senior management on the implementation of IT infrastructure strategy and architecture			
	Manage infrastructure implementation and optimisation	Advise stakeholders on capabilities and constraints of the IT infrastructure environment			
Critical Work Functions and Key Tasks		Oversee the development of disaster recovery and contingency plans Assess performance of IT infrastructure against defined standards and business requirements Ensure IT infrastructure architecture, solutions, and technologies are aligned with the organisation's vision and strategy Recommend new technologies for security, IT operations and service quality improvement, as well as for cost optimisation			
	Establish and oversee standards and governance Manage partners and vendors	Establish metrics, key performance indicators (KPIs), Service Level Agreements (SLAs) and protocols Establish governance policies, standards, procedures and guidelines based upon business strategy Advise on the development of IT infrastructure standards and governance policies and processes for operations Ensure regulatory and legal compliance of both physical and digital infrastructure design Build strategic relationships with key infrastructure partners, vendors and technology providers Lead negotiations with external partners and vendors			
		Oversee performance of key partners and vendors in the delivery of services			



	Manage people and organisation	Review operational strategies, policies and targets across teams and projects				
		Develop strategies for resource planning and utilisation				
		Review the utilisation of resources				
		Oversee the development of learning roadmaps for teams and functions				
		Establish performance indicators to benchmark effectiveness of learning and development programmes against best practices				
		Impleme	nt succession p	planning initiatives for key mana	gement positions	
	Technical Skills and	d Competencies		Generic Skills and Competencies		
	Audit and Compliance		Level 4	Leadership	Advanced	
	Budgeting		Level 5	Communication	Advanced	
	Business Environment Analysis		Level 5	Decision Making	Intermediate	
	Business Innovation		Level 6	Resource Management	Advanced	
	Business Needs Analysis		Level 5	Global Mindset	Advanced	
	Business Negotiation		Level 5			
	Business Performance Management		Level 5			
	Business Risk Management		Level 5			
	Change Management		Level 5			
	Cloud Computing		Level 6			
	Contract Management		Level 5			
	Cyber and Data Breach Incident Management		Level 6			
	Disaster Recovery Management		Level 5			
Skills and Competencies	Emerging Technology Synthesis		Level 6			
	Enterprise Architecture		Level 4			
	Infrastructure Strategy		Level 6			
	IT Governance		Level 5			
	IT Standards		Level 5			
	IT Strategy		Level 5			
	Learning and Development		Level 5			
	Manpower Planning		Level 4			
	Networking		Level 5			
	Organisational Analysis		Level 5			
	Partnership Management		Level 5			
	Performance Management		Level 6			
	Project Feasibility Assessment		Level 5			
	Project Management		Level 6			
	Security Architecture		Level 5			



	Stakeholder Management	Level 5	
	Strategy Implementation	Level 4	
	Strategy Planning	Level 5	
	Sustainability Management	Level 5	
	Test Planning	Level 5	
Programme Listing	For a list of Training Programmes available framework/ict	e for the ICT se	ctor, please visit: www.skillsfuture.sg/skills-

The information contained in this document serves as a guide.