

SKILLS FRAMEWORK FOR INFOCOMM TECHNOLOGY SKILLS MAP – CYBER RISK ANALYST				
Sector	Infocomm Technology			
Track	Cyber Security			
Sub-track	Governance Risk and Control			
Occupation	Infocomm Technology Security Specialist			
Job Role	Cyber Risk Analyst			
Job Role Description	<p>The Cyber Risk Analyst conducts cyber risk assessment in support of technology initiatives to help identify IT related risk and determines appropriate controls to mitigate risks. He/She monitors, tracks and manages risk mitigations and exceptions to ensure cyber security standards and policies are established. He applies a defined set of analytical or scientific methods and works independently. He is also responsible for documentation of cyber risk assessment reports.</p> <p>He is familiar with cyber security standards, protocols and frameworks, and acts in accordance with the Cyber Security Act 2018. He is knowledgeable in using various cyber security monitoring and analysis tools and techniques depending on the organisation's needs and requirements.</p> <p>The Cyber Risk Analyst is vigilant and systematic in identifying cyber risks and enjoys analysing and investigating such issues. He is a strong team player, and communicates well both verbally and in writing.</p>			
Critical Work Functions, Key Tasks and Performance Expectations	Critical Work Functions	Key Tasks		Performance Expectations
	Establish cyber security standards and policies	Conduct review of existing security policies, procedures, standards and exceptions		In accordance with: <ul style="list-style-type: none">• Cyber Security Act 2018, Cyber Security Agency of Singapore
		Assist in the development of policies for conducting cyber security risk assessments and compliance audits		
		Support implementation of information systems and cyber security policies		
	Manage cyber risks and assessments	Perform cyber risk assessment activities based on risk assessment plans		
		Assess third party security controls and internal security systems		
		Establish scope of risk analysis for new technology initiatives		
		Conduct research on emerging cyber security and risk management trends, issues, and alerts		
		Monitor risks and incidents in accordance with the risk mitigation policies and guidelines		
	Develop cyber risk documentation	Document methodologies and tools to mitigate cyber risks		
		Prepare reports for cyber risk assessment reporting		
		Conduct research to develop internal threat awareness reports		
	Mitigate cyber security risks	Determine cause of security violations		
		Recommend corrective actions or appropriate controls to mitigate technical risks		
		Assist in the implementation of preventive measures against intrusion, frauds, attacks or leaks		
		Track remediation efforts for security and audit deficiencies		
Skills and Competencies	Technical Skills and Competencies		Generic Skills and Competencies	
	Audit and Compliance	Level 3	Digital Literacy	Advanced
	Business Needs Analysis	Level 3	Computational Thinking	Advanced
	Cyber and Data Breach Incident Management	Level 3	Sense Making	Advanced
	Cyber Forensics	Level 3	Transdisciplinary Thinking	Intermediate

	Cyber Risk Management	Level 4	Problem Solving	Advanced
	IT Governance	Level 4		
	Security Administration	Level 3		
	Security Education and Awareness	Level 4		
	Security Governance	Level 4		
	Security Programme Management	Level 4		
	Stakeholder Management	Level 3		
	Strategy Implementation	Level 4		
	Strategy Planning	Level 4		
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.