

SKILLS FRAMEWORK FOR FINANCIAL SERVICES				
SKILLS MAP - TECHNOLOGY, INFORMATION AND CYBERSECURITY RISK ANALYST				
<b>Sector</b>	Financial Services			
<b>Track</b>	Risk, Compliance and Legal			
<b>Occupation</b>	Technology, Information and Cybersecurity Risk Officer			
<b>Job Role</b>	Technology, Information and Cybersecurity Risk Analyst			
<b>Job Role Description</b>	The Technology, Information and Cybersecurity Risk Analyst is responsible for the identification and escalation of risks relating to technology, information and/or cybersecurity in the organisation. He/She monitors, tracks, reports and recommends appropriate controls to correctly mitigate risk exposure of technology platforms. He collaborates with technical professionals to address vulnerabilities in systems and to support business units in managing their risk exposure.			
	The Technology, Information and Cybersecurity Risk Analyst may be required to be contactable after work hours. He is highly adaptable and flexible, keeping abreast with ever changing technology, information and cybersecurity topics to facilitate his work. He is analytical, enjoys investigating issues, is a strong communicator and collaborator.			
<b>Critical Work Functions and Key Tasks</b>	<b>Critical Work Functions</b>	<b>Key Tasks</b>		
	Maintain technology, information and cybersecurity risk policies and frameworks	Implement programmes and initiatives for technology, information and cybersecurity risk mitigation		
		Document and update technology, information and cybersecurity risk management trends, regulatory changes and monitoring findings		
		Implement procedures for technology, information system or cybersecurity breach incidents and post-breach activities		
		Support the implementation of technology, information systems and cybersecurity policies		
		Identify concerns, key risk areas and business needs which are relevant to cybersecurity risk management		
	Monitor and assess technology, information and cybersecurity risk exposure and preparedness	Perform technology, information security and cybersecurity risk assessments		
		Assess third-party security controls and internal security systems		
		Identify risk metrics for new and emerging technological systems and risk trends		
		Conduct routine risk monitoring activities, internet screening, phishing and social engineering tests		
		Keep abreast of digital initiatives and business units' technology usage		
		Prepare reports to identify vulnerabilities in the organisation's Information Technology (IT) systems		
	Manage technology, information and cybersecurity risks	Support business stakeholders in the implementation of technology risk mitigation and management activities		
		Communicate resources to guide business units in achieving compliance to technology-related regulations and internal policies		
		Conduct research to develop internal threat awareness reports and guidelines		
		Determine causes of security violations and recommend corrective actions		
		Support the implementation of preventive measures against intrusions, frauds, attacks and/or leaks		
	Facilitate technology, information and cybersecurity incident resolution	Implement technology, information security and/or cybersecurity breach crisis management processes		
		Identify risk incident resolution scenarios		
		Support IT personnel and front-line staff in technology management and incident resolution processes		
Gather inputs regarding possible vulnerabilities and deficiencies in technology risk controls				
Gather information and reports required for regulatory response materials				
Communicate guidelines on how to manage stakeholders and processes during times of crisis				
	<b>Technical Skills and Competencies</b>		<b>Generic Skills and Competencies (Top 5)</b>	
	Business Continuity Planning	Level 3	Digital Literacy	Intermediate
	Business Risk Assessment	Level 3	Computational Thinking	Intermediate
	Contract and Vendor Management	Level 3	Sense Making	Intermediate

<b>Skills and Competencies</b>	Crisis Management	Level 3	Communication	Basic
	Cybersecurity	Level 3	Lifelong Learning	Basic
	Data Collection and Analysis	Level 3		
	Data Governance	Level 3		
	Emerging Technology Synthesis	Level 3		
	Ethical Culture	Level 3		
	Risk Management	Level 3		
	Risk and Compliance Reporting	Level 3		
	Security Governance	Level 4		
	Stakeholder Management	Level 3		
	Standard Operating Procedures Development	Level 3		
<b>Programme Listing</b>	For a list of Training Programmes available for the Financial Services sector, please visit: <a href="http://www.skillsfuture.sg/skills-framework/financial-services">www.skillsfuture.sg/skills-framework/financial-services</a>			

The information contained in this document serves as a guide.