SKILLS FRAMEWORK FOR INFOCOMM TECHNOLOGY
SKILLS MAP – PRODUCT RISK ANALYST

Sector	Infocomm Technology
Track	Product Development
Sub-track	Quality, Risk and Security
Occupation	Risk Specialist
Job Role	**Product Risk Analyst**
Job Role Description	The Product Risk Analyst identifies potential risks and controls by analysing user patterns, track changes and report these changes to the Product Risk Manager. He/She supports risk mitigation activities, perform research on targeted scope determined by the manager to deliver data-driven insights. He is also responsible for supporting the maintenance of the risk management framework within the full product development lifecycle. He ensures that risk management checks are performed with documentations duly completed and ensure internal controls are in place. He performs risk assessments based on directives from the manager and drafts the written report. He is familiar with the format and requirements of such reports and applies risk management guidelines throughout the full product development lifecycle. He is also analytical in applying these risk management concepts and thinking skills to product development and propose recommendations to enhance the current risk management framework and policies. The Product Risk Analyst synthesises information from risk management assessments and is confident in communicating findings to the team in a clear and compelling manner.

Critical Work Functions and Key Tasks	**Critical Work Functions**	**Key Tasks**
	Identify potential risks and controls	Support execution of routine risk mitigation activities
		Discover potential risks by analysing user patterns and the full product usage process during the testing phase
		Track changes in threats, impacts and control effectiveness in products
		Research on insights related to regional product risk governance approvals, trends, emerging risks, and external markets to assess possible risks
		Work with Governance, Risk and Control (GRC) automation tools and Enterprise Risk Management (ERM) tools to support risk assessment processes in products that are in its' development and launch stages
		Deliver regular communication to educate product teams on technical skills and breach management processes required to facilitate risk breach incidents and risk mitigation
	Maintain end-to-end product risk management framework	Supports control mapping to risks and associated security risk frameworks
		Ensure relevant controls are performed as required
		Provide evidence to support the organisation's monitoring processes and internal audit reviews of each product
		Ensure formal documentations in risk registers and maintenance logs, detailing pre-launch and post-launch conditions against stipulated risk assessment metrics
	Present findings and documentations to relevant stakeholders	Develop written reports on risk assessment of products pre-launch and post-launch
		Present insights and findings and for senior management and for firmwide training purposes.
		Acts as a trusted risk advisor for risk management in product teams across the organisation
		Engage with counterparts in other control functions, business segments, and countries for clarification and/or explanation of ambiguous or missing inputs in the risk assessment reports

	Implement new risk management policies and solutions	Implement policies and risk management strategies on new products and platforms
		Creatively problem solve complex and difficult situations with product teams to ensure risks are mitigated
		Propose suggestions in enhancing existing risk management policies and framework
		Provide support to various product teams on risk management procedures through process re-engineering the product lifecycle

	Technical Skills and Competencies		**Critical Core Skills**	
Skills and Competencies	Business Risk Management*	Level 3	Collaboration	Intermediate
	Data Analytics*	Level 3	Decision Making	Basic
	Internal Controls in Product Development*	Level 2, Level 3	Problem Solving	Intermediate
	Process Improvement and Optimisation*	Level 3	Sense Making	Intermediate
	Quality Standards*	Level 4	Transdiciplinary Thinking	Basic
	Product Risk Analytics*	Level 3		
	Risk and Crisis Management*	Level 3		
	Product Risk Assessment*	Level 4		
	Risk Compliance and Governance*	Level 4		
	Systems Thinking*	Level 3		
	Test Planning*	Level 2, Level 3		
	Agile Software Development	Level 3		
	AI Ethics and Governance	Level 2, Level 3		
	Applications Development	Level 3		
	Business Continuity	Level 4		
	Business Needs Analysis	Level 3		
	Business Requirements Mapping	Level 3		
	Configuration Tracking	Level 2		
	Data Ethics	Level 3		
	Data Visualisation and Storyboarding	Level 3		
	Emerging Technology Synthesis	Level 3		
	Networking	Level 3		
	Partnership Management	Level 3		
	Performance Management	Level 4		
	Problem Management	Level 3		
	Product Management	Level 3		
	Quality Assurance	Level 3		
	Software Testing	Level 2, Level 3		
	Stakeholder Management	Level 2, Level 3		

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.

*Note: Technical Skills and Competencies (TSCs) with an asterisk (*) refer to Priority Skills (i.e., TSCs to be prioritised for this role).