

SKILLS FRAMEWORK FOR INFOCOMM TECHNOLOGY TECHNICAL SKILLS & COMPETENCIES (TSC) REFERENCE DOCUMENT

TSC Category	Governance and Compliance					
TSC Title	Data Sharing					
TSC Description	Assess the value of data to achieve a competitive advantage and business objectives					
TSC Proficiency Description	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6
			ICT-CGP-3021-1.1	ICT-CGP-4021-1.1	ICT-CGP-5021-1.1	
			Conduct stock-take of the organisation's data assets	Assess the value data assets to achieve organisational and business goals	Evaluate the net worth of the organisation's data to achieve organisational and business goals	
Knowledge			<ul style="list-style-type: none"> Types of data taxonomies Data valuation methodologies Types of transactions related to data assets Personal Data Protection Act (PDPA) Intellectual Property (IP) rights associated with data assets 	<ul style="list-style-type: none"> Data value drivers and its importance in determining the value of the data Characteristics of data and categorisation of data Types of and methods to generate use cases for the organisation's data assets Motivations for data monetisation Organisation's stakeholders in its value chain or ecosystem Principles of and approaches to data valuation Factors determining the final value of the data assets 	<ul style="list-style-type: none"> Factors to consider in data valuation Trust principles to forming a trusted data sharing partnership Legal and regulatory obligations in data monetisation Potential risks associated with data monetisation Types of and methods to conduct due diligence checks on data service providers 	
Abilities			<ul style="list-style-type: none"> Identify data assets within the organisation Determine what constitutes the organisation's data asset Define the organisation's data taxonomy to categorise the data 	<ul style="list-style-type: none"> Map out the stakeholders in the organisation's value chain or ecosystem Identify potential use cases for organisation's data assets based on value chain mapping 	<ul style="list-style-type: none"> Determine if data can be monetised by assessing its purpose, potential benefits and risks Comply with legal and regulatory considerations during the data valuation processes 	

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			<ul style="list-style-type: none"> Record the taxonomy of organisation's data assets 	<ul style="list-style-type: none"> Determine the valuation approaches for the organisation's data assets Derive the value of the organisation's data assets Assess the potential for data valuation Determine the right sharing channels and protocols 	<ul style="list-style-type: none"> Check that parties involved in data sharing have data management, data protection and data use standards Conduct due diligence checks on data service providers Ensure that each partner in the data partnership is identifiable and its representatives duly authorised by the organisation 	
Range of Application	For Data Protection-related programmes, please refer "Guide to Develop Training Courses for Data Protection Officer (DPO)", Personal Data Protection Commission (PDPC), http://www.pdpc.gov.sg/dp-competency [March 2020]					