

**SKILLS FRAMEWORK FOR FINANCIAL SERVICES
TECHNICAL SKILLS AND COMPETENCIES (TSC) REFERENCE DOCUMENT**

TSC Category	Data Analytics and Information Technology Management					
TSC	Data Collection and Analysis					
TSC Description	Collect, extract and interpret data according to defined requirement to obtain business insights					
TSC Proficiency Description	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6
			FSE-IAD-3003-1.1-1	FSE-IAD-4003-1.1-1	FSE-IAD-5003-1.1-1	FSE-IAD-6003-1.1-1
			Collect data using appropriate techniques and business intelligence tools to extract meaningful data for preliminary analyses according to requirements	Analyse and interpret findings for business insights and make recommendations to value add to decision making	Review data to form business insights to focus on identifying value-added opportunities or high-risk areas	Engage stakeholders to communicate findings of data analysis and opportunities and high-risk areas identified
Knowledge			<ul style="list-style-type: none"> Data mining and analytics techniques Sampling techniques Business intelligence tools Data parameters based on defined requirements Data quality standards Sources of data 	<ul style="list-style-type: none"> Statistical analysis tools and/or methodologies Organisation's business and environment Risk and control environment Logical reasoning and calculation principles Types of hypotheses and hypothesis testing methods Structured data analysis approaches Various types of data analytical tools 	<ul style="list-style-type: none"> Competitive analysis evaluation techniques of business and operating environment Organisation's risks and controls environment Data modelling and analysis techniques Industry, market and product expertise 	<ul style="list-style-type: none"> Competitive analysis evaluation techniques of business and operating environment Organisation's risks and controls environment Organisation's mission, vision, direction, strategic priorities and key initiatives Data communication techniques Storyboarding methodologies
Abilities			<ul style="list-style-type: none"> Consolidate data based on defined data requirements in accordance with data collection processes and tools Evaluate integrity of data to ensure appropriateness of data quality Select appropriate techniques and tools to extract data based on requirements 	<ul style="list-style-type: none"> Implement data analysis techniques to address risks and improve testing capabilities Use routine and/or advanced analytics to identify trends, exceptions and insight Interpret findings to obtain business insights Present insights of business performance and trends for audit considerations 	<ul style="list-style-type: none"> Define the areas of focus for data analysis in alignment with the objectives and priorities of the organisation's strategies and plans Conceptualise new data collection, analysis and interpretation techniques, and data sources Review business insights to inform decisions required 	<ul style="list-style-type: none"> Evaluate business insights to assess the strategic implications and make appropriate recommendations Link data analysis findings to business objectives Create storyboards of data findings to communicate appropriate messages and insights Communicate high-risks areas to process

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			<ul style="list-style-type: none"> • Ensure sufficiency and adequacy of data required for data analysis needs • Organise collected data for analyses • Conduct preliminary analyses of data for review and verification 	<ul style="list-style-type: none"> • Develop, validate and test hypotheses defined for each data analysis activity to determine accuracy • Develop and organise reports to capture and communicate interpreted data and data analysis findings 	<p>and make recommendations for improvement</p> <ul style="list-style-type: none"> • Review data collection and analysis activities for quality assurance 	<p>owners, senior management and board</p> <ul style="list-style-type: none"> • Communicate opportunities and insights derived from data analyses to senior management and board
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