

**SKILLS FRAMEWORK FOR DESIGN
TECHNICAL SKILLS AND COMPETENCIES (TSC) REFERENCE**

TSC Category	Analytical Thinking					
TSC	Conceptual Thinking					
TSC Description	Analyse and synthesise information by identifying key issues, perceiving unseen patterns and trends and deducing connections between issues to develop relevant ideas and solutions					
TSC Proficiency	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6
			DSN-ACE-3011-1.1	DSN-ACE-4011-1.1	DSN-ACE-5011-1.1	
			Relate pieces of information to one another to identify root causes, patterns and logical errors	Integrate information and concepts and organise analysis efforts into systematic and rational frameworks	Formulate recommendations that are aligned with broader group and organisational values through understanding problems by uncovering connections	
Knowledge			<ul style="list-style-type: none"> • Visual tools to develop mental models and frameworks • Differences between conceptual thinking, critical thinking and analytical thinking • Concept of higher order thinking • Fundamentals of conceptual thinking • Phases of conceptual thinking • Applications of conceptual thinking 	<ul style="list-style-type: none"> • Visual tools to develop mental models and frameworks • Differences between conceptual thinking, critical thinking and analytical thinking • Higher order thinking and questioning • Fundamentals of conceptual thinking • Phases of conceptual thinking • Applications of conceptual thinking 	<ul style="list-style-type: none"> • Components of concept blueprint • Higher order thinking and questioning • Overall conceptual thinking process • New developments to enhance conceptual thinking capabilities 	

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<p>Abilities</p>			<ul style="list-style-type: none"> • Fit information into mental models and frameworks • Draw on past experiences to ascertain similarities or differences in current problems and situations encountered • Make connections between facts, events and issues that may not be obvious to other stakeholders • Draw inferences to situations by making analogies to real life examples • Use various thinking methods and sense to understand information 	<ul style="list-style-type: none"> • Utilise a combination of life skills and experiences, intuition and sensory qualities to create concepts • Align short-term goals to organisational long-term objectives • Identify trends and patterns in different sources of information • Visualise concepts through models and frameworks to analyse current facts, events and issues • Analyse impact of future developments on present policies and processes • Use analogies, diagrams or other means to enhance understanding of new ideas for implementation • Link data points to develop ideas and solutions based on insights 	<ul style="list-style-type: none"> • Integrate diverse and complex information to create new concepts • Lead stakeholders through identifying connections to understand and resolve problems • Encourage stakeholders to elaborate and ruminate on concepts • Create strategies which fulfil the changing needs of customers and users • Develop concept blueprint for products and services • Redesign operations, processes and work plans based on the understanding of problems uncovered • Develop vision of ideas and solutions based on insights 	
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