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| **SKILLS FRAMEWORK FOR INFOCOMM TECHNOLOGY SKILLS MAP – BUSINESS ARCHITECT** | | | | | | |
| **Sector** | Infocomm Technology | | | | | |
| **Track** | Strategy and Governance | | | | | |
| **Sub-track** | Enterprise Architecture | | | | | |
| **Occupation** | Enterprise Architect | | | | | |
| **Job Role** | **Business Architect** | | | | | |
| **Job Role Description** | The Business Architect analyses, designs and develops roadmaps and implementation plans based on a current versus future state business architecture, and review the architecture standards for approval. He/She leads and facilitates the business architecture governance process based on the enterprise architecture governance structure, and manages exceptions to architectural standards at a business level. He assesses near-term needs to establish business priorities and aligns architectural requirements with IT strategy. He consults with clients and IT teams on business architecture solutions and provides recommendations on emerging technology to senior management.  He works in a dynamic and evolving business environment. He is knowledgeable of relevant enterprise architecture methodologies, frameworks and modelling tools. He is also familiar with organisational design frameworks and tools.  The Business Architect effectively synthesises diverse needs of the business unit, and has strong situational analysis, problem solving and decision making abilities. He possesses excellent communication skills and is able to influence key stakeholders. | | | | | |
| **Critical Work Functions and Key Tasks** | **Critical Work Functions** | **Key Tasks** | | | | |
| **Formulate the organisation’s architecture strategy, roadmap, standards, policies and procedures, and governance** | Lead and coordinate the domain technical and business discussions | | | | |
| Participate in ecosystem strategy development, environment analysis and opportunity identification | | | | |
| Analyse, design and develop roadmaps and implementation plans based on a current versus future state | | | | |
| Design standard configurations and patterns | | | | |
| Lead and facilitate the business architecture governance process based on the enterprise architecture governance structure | | | | |
| Manage exceptions to architectural standards at a business level | | | | |
| Review and approve recommendations to business architectural standards | | | | |
| **Develop architecture requirements and maintain oversight** | Analyse and develop business architectural requirements | | | | |
| Align architectural requirements with IT strategy | | | | |
| Assess near-term needs to establish business priorities | | | | |
| Ensure compatibility with existing solutions, infrastructure, services and strategic requirements | | | | |
| Coordinate architecture implementation and modification activities | | | | |
| Assist in post-implementation and continuous improvement efforts to enhance performance and provide increased functionality | | | | |
| Ensure conceptual completeness of the technical solution | | | | |
| **Manage quality and continuous improvement of architecture** | Analyse the current architecture to identify weaknesses and develop opportunities for improvement | | | | |
| Identify and propose variances to the architecture to accommodate project needs | | | | |
| Perform ongoing architecture quality review activities | | | | |
| **Research emerging technologies** | Consult with clients and IT teams on business architecture solutions | | | | |
| Analyse cost versus benefits, risks, impact and technology priorities | | | | |
| Provide recommendations on emerging technology to senior management | | | | |
| Develop communication plans for business architecture | | | | |
| Lead the research and evaluation of emerging technology, industry and market trends to assist in project development | | | | |
| Identify organisational requirements for resources | | | | |
| **Drive business architecting** | Oversee the definition of future-state and current-state business architecture | | | | |
| Explore methods to apply new technology to, and reuse existing technology, for business processes | | | | |
| Owns the stewardship duties of business architecture artefacts | | | | |
| Design business processes, functions and organisational structures | | | | |
| **Skills and Competencies** | **Technical Skills and Competencies** | | | **Generic Skills and Competencies** | | |
| Business Agility | | Level 4 | Decision Making | | Advanced |
| Business Environment Analysis | | Level 4 | Interpersonal Skills | | Advanced |
| Business Innovation | | Level 5 | Leadership | | Advanced |
| Business Needs Analysis | | Level 5 | Problem Solving | | Advanced |
| Business Performance Management | | Level 4 | Resource Management | | Advanced |
| Business Process Re-engineering | | Level 5 |  | | |
| Business Requirements Mapping | | Level 5 |
| Business Risk Management | | Level 5 |
| Change Management | | Level 5 |
| Data Visualisation | | Level 5 |
| Design Thinking Practice | | Level 4 |
| Emerging Technology Synthesis | | Level 4 |
| Enterprise Architecture | | Level 4, Level 5 |
| IT Strategy | | Level 4 |
| Networking | | Level 4 |
| Organisational Analysis | | Level 5 |
| Organisational Design | | Level 4 |
| Partnership Management | | Level 5 |
| Performance Management | | Level 5 |
| Process Improvement and Optimisation | | Level 5 |
| Project Feasibility Assessment | | Level 4 |
| Project Management | | Level 5 |
| Solution Architecture | | Level 5 |
| Stakeholder Management | | Level 5 |
| Strategy Implementation | | Level 4 |
| Strategy Planning | | Level 4 |
| Sustainability Management | | Level 4 |
| **Programme Listing** | For a list of Training Programmes available for the ICT sector, please visit: www.skillsfuture.sg/skills-framework/ict | | | | | |
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| The information contained in this document serves as a guide. | | | | | | |