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| TSC Category | Research and Development Management | | | | | |
| TSC | Innovation Management | | | | | |
| TSC Description | Integrate creativity and innovation into the design and development of products and processes while ensuring compliance and non-infringement of existing Intellectual Property (IP) regulations and patents rights | | | | | |
| TSC Proficiency Description | Level 1 | Level 2 | Level 3 | Level 4 | Level 5 | Level 6 |
| | | | | ECM-RND-4002-1.1 | ECM-RND-5002-1.1 | ECM-RND-6002-1.1 |
| | | | | Interpret and determine the feasibility of innovation initiatives and strategies | Review innovation initiatives and strategies to translate selected innovation initiatives to organisational plans | Inspire a culture of innovation and lead innovative practices at the organisational level |
| Knowledge | | | | <ul style="list-style-type: none"> • Innovation principles and techniques • Characteristics of environments that support and encourage innovation • Creative approaches to identify innovation opportunities • Techniques to generate innovative ideas • Market trends • Methods of identifying customer requirements • Integrated product development methods | <ul style="list-style-type: none"> • Innovation barriers and business environments • Commercialising innovation and concepts • Operational constraints in implementing innovation • Methods of generating and translating innovative ideas into workable concepts • Sector market trends • Communication and facilitation methods to promote innovation • Integrated product development using technology developments | <ul style="list-style-type: none"> • Internal and external opportunities and barriers to innovation • Innovation tools and processes • Methods of leading and developing organisational culture • Change management principles • Innovation leadership and management methods • Intellectual Property (IP) and patent regulations • Creative thinking • Knowledge management • New technology developments in integrated product development strategies |

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| <p>Abilities</p> | | | | <ul style="list-style-type: none"> • Evaluate business function performance to identify opportunities for innovation and improvement • Create opportunities to maximise innovation within a business function • Monitor market trends and gather data • Act on customer feedback • Interpret innovative initiatives to ensure achievement of desired business outcomes within a business function • Conduct pilot testing and/or prototyping of innovation concepts within business functions to determine the feasibility of innovation initiatives • Recommend innovation initiatives to relevant stakeholders for implementation • Collaborate in integrated product development teams using new technology systems and tools | <ul style="list-style-type: none"> • Establish systems to support innovation within the organisation in consultation with relevant stakeholders • Research and evaluate existing information to identify and evaluate needs and opportunities for innovation initiatives within the organisation • Review pilot testing and prototyping results to determine the feasibility of innovation initiatives across the organisation • Evaluate suitable innovation initiatives to be translated to organisational levels • Present organisational-wide implementation specifications to management for approval • Provide opportunities for staff to provide feedback and explore ideas and opportunities for change and innovation for further refinement • Understand and gather customers' requirements • Manage integrated product development teams through technology applications and systems | <ul style="list-style-type: none"> • Direct the development and review of innovation strategies to align to long-term organisational objectives • Lead innovative practices and nurture a culture of innovation • Incorporate innovation into leadership and management activities and organisational strategies to promote innovation in the organisation • Manage compliance with IP and patents • Register new IP and patents for products, processes and formulae • Drive technology developments in integrated product development methods and systems |
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