

CS09 Manager – Technology and Digital Systems

1. Job role

TCF sub-sector	Cross sector
Job role	CS09 Manager – Technology and Digital Systems
Job role description	Leads the development and management of digital systems and technology infrastructure that support product development, manufacturing, supply chain and commercial operations within a textile, clothing or footwear enterprise. The role ensures that enterprise technology platforms—including product lifecycle management (PLM), enterprise resource planning (ERP), e-commerce platforms and digital design systems—operate effectively and support organisational productivity. In the Australian TCF industry this role often integrates digital product development technologies, manufacturing information systems, supply chain platforms and online retail systems to support design-led businesses with global manufacturing networks.
Performance expectations	• Develop and implement enterprise technology and digital transformation strategies • Ensure reliable operation of core digital systems including ERP, PLM and e-commerce platforms • Support digital product development systems such as CAD, 3D design and pattern engineering tools • Integrate supply chain, manufacturing and logistics information systems • Improve data availability and analytics to support enterprise decision-making • Maintain cybersecurity, data governance and technology compliance frameworks • Support operational efficiency through automation and digital process improvement • Develop capable technology teams and digital capability across the organisation
Specialisation	May specialise in digital product development systems for apparel or footwear design, enterprise information systems for manufacturing and supply chain management, or digital commerce platforms for retail and direct-to-consumer businesses.
Application in other TCF sectors	The skills used in this senior management role are largely transferable across different sectors of the textile, clothing and footwear (TCF) industry, and they are also broadly applicable to other manufacturing processing and production industries that operate complex supply chains, product development cycles and market-driven production systems.

2. Key tasks and critical work functions

Key tasks	• Develop enterprise digital and technology strategies aligned with business objectives • Manage enterprise platforms including ERP, PLM and supply chain systems • Support digital design systems used in product development • Coordinate system integration across product development, manufacturing and sales functions • Manage relationships with technology vendors and system providers • Monitor performance and reliability of enterprise digital systems • Develop data management and reporting systems for operational decision making • Lead technology implementation and digital transformation initiatives
Critical work functions	• Integration of digital product development with manufacturing and sourcing systems • Alignment of technology systems with enterprise operational processes • Management of enterprise information systems supporting global supply chains • Protection of organisational data and digital infrastructure • Development of digital capabilities supporting innovation and competitiveness

3. Technical skills

Enterprise information systems	Manage ERP and business information systems supporting enterprise operations.
Product lifecycle management systems	Implement and maintain PLM platforms used for product development and specification management.
Digital product development tools	Support CAD, 3D design, pattern engineering and digital prototyping technologies.
Systems integration	Integrate digital systems across design, manufacturing, logistics and sales functions.
Data analytics and reporting	Develop analytics platforms to support enterprise decision-making.
Cybersecurity and data governance	Protect organisational data and maintain secure digital systems.
Technology project management	Manage implementation of enterprise technology systems and upgrades.

4. Generic Skills

Leadership	Lead technology teams and digital transformation initiatives.
Communication	Translate technical requirements for business and operational teams.
Strategic thinking	Align technology investments with business strategy.
Problem solving	Resolve complex systems integration and technology issues.

Collaboration	Work closely with product development, operations and commercial teams.
Change management	Support organisational adoption of digital technologies.

5. Emerging skills

Emerging skills	• 3D digital product development and virtual prototyping technologies • Artificial intelligence applications in design, forecasting and retail analytics • Digital supply chain traceability platforms • Advanced manufacturing data analytics • Integration of omnichannel retail systems and customer data platforms • Automation and smart manufacturing technologies
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6. VET Qualifications and Skill Sets

Entry-level preparation	ICT50220 Diploma of Information Technology or equivalent
Advanced development	ICT60220 Advanced Diploma of Information Technology or equivalent or bachelor 's degree in Information Technology, Computer Science, Data Systems or Digital Technology Management.

7. Job progression

Possible job progression	IT Manager → Head of Digital Systems → Manager - Technology and Digital Systems → Chief Digital Officer
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8. Classification

Australian Qualifications Framework	AQF Level 5-7
Australian Bureau of Statistics (ABS) Skill Levels	Skill Level 1-2
Open Source Classification of Occupations for Australia (OSCA)	ICT Manager / Digital Systems Manager - Manufacturing context



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