

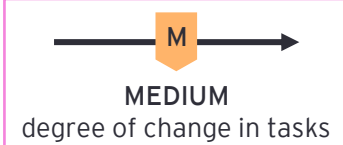
7.2.1 Job Dashboards

Assistant Specialist (Digital Delivery)

Megatrends impacting the Job Role in Short to Medium-Term

COVID-19	Multi-Skilling	Sustainable Construction/ Buildings	Value Chain Aggregation & Integration	Workforce Challenges
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Impact Assessment



Technology Trends impacting the Job Role in Short to Medium-Term

BIM Technology	Blockchain	Data Analytics & AI	Digital Twin
Remote Monitoring	RPA	Robots & Automation	VR/AR
5G, IoT & Smart Buildings	Modular Construction		



Today

This job role is responsible for assisting in project delivery, development and adoption of digital solutions and competency building. Job holders participate in product and model development, planning, research and/or testing of digital solutions and training. Job holders gather data and information to understand business needs and user requirements to support adoption and implementation of digital and/or automated building solutions and resolves issues.



In the Future

This job role may continue to leverage technology to assist in project delivery, with **potential greater emphasis on their role in the development and adoption of digital solutions and competency building** for the organisation. Job holders may need to keep abreast of evolving trends and technologies so as to **be familiar with technology application and support adoption and implementation, coaching of digital solutions for project stakeholders, and resolve testing and troubleshooting** where required.

Job Tasks Today	Impact at Task-level / Future view of Job Tasks	Time Horizon
Facilitate project delivery and collaboration	<p>M</p> <ul style="list-style-type: none"> Job holders will need to keep themselves updated with trends and technology and apply the knowledge to continuously develop current BIM models. Job holders may also need to incorporate trends and technologies in conducting building simulations, to explore alternative methods of design and construction. 	Short-term

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Job Tasks Today	Impact at Task-level / Future view of Job Tasks	Time Horizon
Gather information and data to manage technological adoption	<ul style="list-style-type: none"> Digital tools and platforms may automate the process of quantitative information gathering. Job holders may see a shift in focus in gathering information through qualitative engagements with relevant stakeholders and focus towards solutioning. Job holders will need to understand the latest technological trends and the application of new digital solutions and processes to support the acquisition and development, and subsequent adoption by the organisation. Digital planning tools and platforms may automate the digital solution adoption against defined timelines. Job holders may instead see a shift in focus to supporting testing and troubleshooting to address delays in adoption. 	Short-term
Gather information to building digital competency	<ul style="list-style-type: none"> As the pace of digital adoption is expected to grow, job holders will need to be increasingly proficient in supporting the adoption of digital solutions in the organisation, having a basic understanding of how technologies are implemented in projects, and acting as both coach and champion for the other functions. Job holders will need to keep up to date with skills in-demand to gather information on organisational learning needs and training related to digital solutions. 	Short-term

The following TSCs/CCSs have been identified as in-demand/emerging for the job role going forward:

In-demand Technical Skills and Competencies		
Building Information Modelling Application	Change Management	Common Data Environment Management
Critical Thinking	Emerging Technology Synthesis	Integrated Digital Delivery Application
Learning and Development	Programming and Coding	Stakeholder Management
Emerging Technical Skills and Competencies		
Artificial Intelligence Application	Robotic and Automation Technology Application	
Emerging Critical Core Skills		
Communication	Transdisciplinary Thinking	