

SSAPP12 Marker Maker – CAD Marker Maker

1. Job role

TCF sub-sector	Apparel
Functional area	Manufacturing - Cutting and Preparation
Job role	SSAPP12 Marker Maker (CAD Marker Maker)
Job role description	Creates garment cutting markers using specialised CAD systems to optimise fabric utilisation and ensure accurate cutting of garment components. The Marker Maker works with digital pattern files, fabric specifications and production requirements to produce markers used in automated or manual cutting operations. The role contributes directly to material efficiency, production accuracy and cost control in apparel manufacturing.
Performance expectations	• Develop accurate digital markers using garment pattern files • Optimise marker layouts to maximise fabric utilisation • Ensure markers align with fabric width, grain and pattern requirements • Prepare marker files for automated or manual cutting systems • Maintain accuracy of pattern pieces and sizing information • Meet production deadlines for cutting room operations • Communicate with pattern makers, cutters and production staff • Maintain digital records of marker files and production data
Specialisation	Digital marker making using CAD systems, fabric utilisation optimisation, and preparation of cutting markers for apparel manufacturing.
Application in other TCF sectors	• Textile product manufacturing requiring fabric component cutting • Footwear manufacturing pattern layout and material optimisation • Technical textile cutting preparation • Uniform and workwear production • Other manufacturing industries requiring CAD-based material layout optimisation

2. Key tasks and critical work functions

Key tasks	• Import digital pattern files into CAD marker systems • Arrange pattern pieces within marker layouts • Optimise fabric usage and minimise waste
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	• Adjust markers to suit fabric width and production requirements • Prepare marker files for automated cutting machines • Check marker accuracy and sizing alignment • Communicate marker changes with pattern makers and cutters • Maintain marker libraries and production documentation
Critical work functions	• Maximising fabric efficiency and reducing material waste • Ensuring accuracy of garment components for cutting • Supporting efficient cutting room operations • Maintaining alignment between patterns and production requirements • Ensuring markers meet fabric constraints and design specifications • Supporting cost control in garment manufacturing

3. Technical skills

CAD marker software	Use CAD systems to create garment markers.
Pattern file management	Import and manage digital pattern files.
Fabric utilisation optimisation	Arrange pattern pieces to maximise material efficiency.
Marker accuracy	Ensure pattern pieces are positioned correctly.
Fabric property knowledge	Understand grainlines, pattern direction and fabric constraints.
Cutting preparation	Prepare markers for automated or manual cutting.
Production documentation	Maintain marker records and production data.
Workplace safety	Follow safe procedures in cutting room environments.

4. Generic Skills

Attention to detail	Ensure accuracy of marker layouts and pattern placement.
Problem solving	Resolve layout challenges and fabric utilisation issues.
Communication	Coordinate with pattern makers and cutting room staff.
Analytical thinking	Optimise markers for cost and efficiency.
Time management	Prepare markers within production deadlines.
Organisation	Maintain digital files and marker documentation.

5. Emerging skills

Emerging skills	• AI-assisted marker optimisation tools • Integration of CAD systems with automated cutting equipment • Digital product development workflows • 3D garment design integration with marker systems
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	Sustainable manufacturing practices focused on material efficiency
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6. VET Qualifications and Skill Sets

Entry-level preparation	MST31022 Certificate III in Apparel, Fashion and Textiles or equivalent
Advanced development	MST50122 Diploma of Apparel, Fashion and Textiles or equivalent

7. Job progression

Possible job progression	Patternmaking Assistant → Marker Maker → Senior Marker Maker → Pattern Engineer / Product Development Technologist
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8. Classification

Australian Qualifications Framework	AQF Level 3-5
Australian Bureau of Statistics (ABS) Skill Levels	Skill Level 3 - Patternmaker / CAD Technician
Open Source Classification of Occupations for Australia (OSCA)	Marker Maker - Apparel Manufacturing



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