

SSMTC11 Installation Technician

Disclaimer

These Occupational Frameworks and Skill Profiles have been developed as workforce planning, occupational mapping and skills reference resources for the Australian textile, clothing and footwear (TCF) industry. They are intended to describe the typical functions, responsibilities, skills and capabilities associated with occupations across the industry.

These documents are not intended to replace or override industrial instruments or employment arrangements, including awards, enterprise agreements, employment contracts, position descriptions, classification structures, licensing or regulatory requirements, or other statutory obligations. Where differences arise, the relevant industrial, legislative or regulatory requirements take precedence. The Skill Profiles should be used as complementary reference documents to support workforce planning, career development, training and skills recognition.

1. Job role

TCF sub-sector	Cut and Sewn Products (Non-Garment)
Functional area	Installation and Field Services
Job role	SSMTC11 Installation Technician
Job role description	Performs onsite assembly, installation and fitting activities for cut and sewn non-garment textile products and systems within the TCF industry. This role is identified within the Installation and Field Services function of the occupational framework for cut and sewn products. The Installation Technician supports the installation and servicing of specialised textile and fabricated systems including shade sails, PVC curtains, truck tarps, industrial canvas products, architectural textiles, transport interiors, tensile structures, upholstery systems, protective covers, marine products and technical textile assemblies. The role combines technical textile knowledge with practical installation and assembly capability to ensure fabricated products are correctly fitted, tensioned, aligned and secured onsite in accordance with technical specifications, safety requirements and customer expectations. The Installation Technician works with a range of fabricated textile materials, hardware systems, attachment systems, rigging components and installation equipment. The role requires detailed understanding of textile behaviour, seam integrity, structural attachment methods, tensioning systems, dimensional tolerances and installation sequencing. The position works closely with installation supervisors, fabrication teams, project managers, quality personnel and clients to ensure installations are completed safely, efficiently and to specification. The role also supports troubleshooting, adjustments, maintenance activities and onsite quality verification.

Performance expectations	• Completing installation and assembly activities to specification and schedule. • Ensuring products are correctly fitted, tensioned and secured onsite. • Supporting compliance with quality, operational and safety requirements. • Maintaining dimensional accuracy and product functionality during installation. • Operating installation tools and equipment safely and efficiently. • Supporting effective coordination with supervisors, project teams and clients. • Identifying and resolving onsite installation issues. • Maintaining installation records and documentation where required. • Supporting customer satisfaction and successful project delivery.
Specialisation	Textile systems installation, tensioning systems, structural attachment systems, canvas installation, architectural textile fitting, truck tarp systems and onsite assembly operations.
Application in other TCF sectors	Architectural textiles, marine fabrication, transport interiors, industrial textiles, defence systems, shade systems, infrastructure textiles and specialised fabricated textile systems.

2. Key tasks and critical work functions

Key tasks	• Installing and assembling fabricated textile products onsite. • Reading installation drawings, specifications and assembly instructions. • Fitting, tensioning and securing textile systems and hardware. • Operating installation tools, lifting equipment and access systems. • Measuring, aligning and adjusting installations for correct fit and function. • Conducting onsite inspections and functional checks. • Assisting with commissioning and customer handover activities. • Identifying and resolving installation and alignment issues. • Maintaining installation equipment and work areas. • Recording installation, maintenance and traceability information.
Critical work functions	• Ensuring installations meet technical, structural and operational requirements. • Maintaining integrity and functionality of textile systems during installation. • Preventing installation errors, product damage and operational delays. • Supporting safe work practices and compliance with WHS requirements. • Maintaining alignment between fabricated products and onsite installation conditions. • Supporting efficient workflow and coordination across installation activities. • Maintaining documentation and traceability accuracy.

	Contributing to customer satisfaction and operational reliability.
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3. Technical skills

Installation techniques	Performing assembly, fitting and tensioning operations.
Technical textile knowledge	Understanding textile behaviour, seams and fabricated systems.
Hardware and attachment systems	Installing rails, fittings, rigging and fastening systems.
Tool and equipment operation	Using lifting equipment, hand tools and installation systems.
Dimensional accuracy	Ensuring correct fit, alignment and positioning.
Troubleshooting	Resolving installation and operational issues onsite.
Quality assurance	Inspecting installations for compliance and functionality.
Documentation	Maintaining installation records and reporting.

4. Generic Skills

Attention to detail	Maintaining installation accuracy and quality.
Communication	Working with supervisors, clients and installation teams.
Problem solving	Resolving onsite installation challenges.
Teamwork	Supporting collaborative field operations.
Time management	Meeting installation schedules and deadlines.
Adaptability	Responding to changing site and environmental conditions.
Attention to detail	Maintaining installation accuracy and quality.
Communication	Working with supervisors, clients and installation teams.

5. Emerging skills

Emerging skills	- Smart textile and sensor-integrated installation systems. - Digital installation tracking and field reporting platforms. - Advanced rigging and tensioning technologies. - Sustainable installation and lifecycle maintenance practices. - Industry 4.0 integration between fabrication and installation systems. - Augmented reality-assisted installation and commissioning systems.
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6. VET Qualifications and Skill Sets

Entry-level preparation	MST30222 Certificate III in Manufactured Textile Products or equivalent.
Advanced development	MEM31925 Certificate III in Engineering - Fabrication Trade or equivalent.

7. Job progression

Possible job progression	Installation Assistant → Installation Technician → Senior Installation Technician → Installation Supervisor → Field Operations Manager.
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8. Classification

Australian Qualifications Framework	Level 2-3.
Australian Bureau of Statistics (ABS) Skill Levels	Skill Level 4.
Open Source Classification of Occupations for Australia (OSCA)	821499 Home Improvement and Insulation Installers nec.



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