

SSDCL23 Laundry Automation Technician / Control Systems 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	Commercial Laundry and Linen Services
Functional area	Engineering and Maintenance
Job role	SSDCL23 Laundry Automation Technician / Control Systems Technician
Job role description	Installs, maintains and optimises automated laundry systems and control technologies including programmable logic controllers (PLC), digital interfaces and integrated production systems to ensure efficient and reliable plant operation. In the Australian laundry industry—where high-volume processing, automation and data-driven operations are increasingly critical—the Automation Technician ensures seamless integration of machinery, digital controls and workflow systems to maximise productivity, maintain quality outcomes and support continuous operational improvement.
Performance expectations	• Installing and configuring automated laundry systems and control technologies. • Programming and maintaining PLC systems and control logic. • Monitoring system performance through human-machine interface (HMI) systems and digital interfaces. • Diagnosing and resolving automation and control system faults. • Ensuring integration between machinery, tracking systems and enterprise resource planning (ERP) platforms. • Maintaining system documentation and configuration records. • Supporting production teams with system optimisation and troubleshooting. • Ensuring compliance with workplace health, safety and electrical standards. • Contributing to continuous improvement in automation and operational efficiency.

	Maintaining reliability and uptime of automated systems.
Specialisation	PLC systems, HMI interfaces, automation systems, system integration, industrial networking, diagnostics and troubleshooting.
Application in other TCF sectors	- Commercial laundry and linen services supporting automated production and control systems. - Textile manufacturing and finishing supporting PLC-based production and process control systems. - Apparel production and garment finishing supporting automated garment handling and control systems. - Technical textile and specialty services supporting advanced automated processing technologies. - Textile restoration services supporting controlled automated treatment systems. - Leather and suede processing supporting automated processing and finishing systems. - Manufacturing and processing industries supporting automation, robotics and control systems.

2. Key tasks and critical work functions

Key tasks	- Programming and configuring PLC and control systems. - Monitoring automated systems through digital interfaces. - Diagnosing and resolving faults in control systems and equipment. - Integrating machinery with tracking and ERP systems. - Maintaining system documentation and configuration records. - Supporting commissioning of new automated equipment. - Coordinating with maintenance and production teams. - Following workplace health, safety and electrical procedures.
Critical work functions	- Ensuring reliable operation of automated systems. - Maintaining system integration across plant operations. - Preventing downtime through monitoring and diagnostics. - Ensuring safe operation of electrical and control systems. - Supporting efficient production through system optimisation. - Coordinating with technical and operational teams.

3. Technical skills

PLC programming	Programming and maintaining programmable logic controllers.
Control systems	Managing automated control systems and logic processes.
HMI interfaces	Operating and configuring human machine interfaces.
System integration	Integrating automation systems with ERP and tracking platforms.
Diagnostics and troubleshooting	Identifying and resolving automation system faults.
Industrial networking	Managing communication between machines and systems.
Electrical systems	Understanding and maintaining electrical control components.

4. Generic Skills

Problem solving	Diagnosing and resolving complex automation issues.
Attention to detail	Ensuring accuracy in programming and system configuration.
Communication	Communicating technical information across teams.
Teamwork	Working collaboratively with maintenance and production teams.
Time management	Managing system tasks and maintenance schedules.
Adaptability	Responding to evolving automation technologies.
Safety awareness	Applying safe practices in electrical and automated environments.

5. Emerging skills

Emerging skills	• Adopting Industry 4.0 and smart factory technologies. • Using IoT-enabled monitoring and predictive maintenance systems. • Applying data analytics for system optimisation. • Integrating cloud-based automation and control systems. • Supporting robotics and advanced material handling systems. • Enhancing sustainability through energy-efficient automation.
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6. VET Qualifications and Skill Sets

Entry-level preparation	MEM30522 Certificate III in Engineering - Technical Certificate or equivalent.
Advanced development	MEM50222 Diploma of Engineering - Technical or equivalent.

7. Job progression

Possible job progression	Automation Technician → Senior Automation Technician → Control Systems Engineer → Engineering Manager → Operations Director.
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8. Classification

Australian Qualifications Framework	AQF Level 3-5.
Australian Bureau of Statistics (ABS) Skill Levels	Skill Level 2.
Open Source Classification of Occupations for Australia (OSCA)	313999 Engineering Technician nec OSCA Specialisation Automation Technician.



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