

JOB PROFILE FORM

1. JOB DETAILS

WAP (Admin ONLY):

Position Title: Operational Technology Field Technician

Team: Operational Technology

Division: Asset Transformation and Technology

Group: Service Futures

Reports to (Role Title): Head of OT

Number of Direct Reports: N/A

Budget Mgt Accountability (Opex & Capex Amounts): N/A

2. WHAT DOES THIS JOB DO?

Job Purpose:

The purpose of this role is to maintain and improve Operational Technology (OT) assets including control systems and telemetry. You will ensure reliable network operations through proactive and reactive maintenance of assets, ensure optimal asset management, and support the design and commissioning of new infrastructure.

Responsibilities (20 dot points or less):

- To be a key source of technical specialist expertise for Operational Technologies, including control systems and telemetry. These assets are essential for the operation of Water, Sewer and Treatment Plant sites and for the monitoring alarms that maintain customer service and environmental impacts.
- Ensure the ongoing reliable operation of Operational Technology assets in the field, including reactive fault rectification and planned asset management.
- Work on a 24/7 duty rotating rosters for emergency maintenance work and fixes.
- Perform root cause analysis and fix on repetitive issues
- Management of OT communications networks, including digital radio and broadband cellular network technologies.
- Gather business requirements and translate into functional design specifications. Implement these in PLC requirements in control system wiring, PLC programs and SCADA configuration, or project manage external resources in delivering these requirements for the business.
- Analyse the performance of SCADA and control systems. Identify sites and systems needing improvement.
- Commissioning of new control systems and communications infrastructure and ensure that it is of acceptable installation and operational quality and that programming meets company standards.
- Ensuring OT assets are monitored and respond to alarms

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- Contribute to developing standards for maintainability and operability, and creating and inputting into CI (continuous improvement) initiatives

3. WHAT ATTRIBUTES ARE REQUIRED TO UNDERTAKE THIS JOB?

3A. WHAT KEY SKILLS OR EXPERIENCES ARE REQUIRED TO COMPLETE THIS JOB?

Skill/ Experience	Level of Skill/ Experience i.e. Basic / intermediate/ Advanced	Years of Experience
Experience in industrial control systems and programming (PLCs and RTUs).		
Experience in review of electrical control wiring and installation.		
Manage and maintain documentation systems.		
Sound understanding and experience in configuration and programming of PLC, RTU, Radio, Modems.		
Working knowledge of SCADA & Maximo		
Experience in managing code repository and version control (Octaplant/VersionDog).		
Configuration and programming for SCADAPack RTUs (E-Series)		
Configuration and programming for Brodersen RTUs		
Configuration and programming for GE PLCs (9030 and RX3i)		
Configuration and programming of low-power RTU devices (37South Site Sentinel, Metasphere Point Color, Aquatec Omnismart).		
Configuration of OT Digital Radio modems (Trio series)		
Configuration of 4G/IoT modems (Garderos)		
Knowledgeable in SCADA systems, including Aveva EcoStruxures GeoSCADA Expert (ClearSCADA).		

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Knowledgeable in Operational Historian platforms, such as Aveva OSI PI Historian.		
Experience in maintaining cybersecurity standards and requirements in an Operational Technology environment.		
Developing and documenting programming standards.		
Ensuring external party compliance with standards and documentation requirements.		
Identifying opportunities for improvements and upgrades and developing work packages (drawings, specifications, contract documents).		
Demonstrated interpersonal and negotiation skills in dealing with key stakeholders including senior management, customers, consultants, contractors, regulators and committees.		
Understanding of OHS law, obligations and regulations.		

3B. WHAT DEVELOPMENT BUILDS THE CAPABILITY FOR THIS ROLE?

PEEPS will capture training or certifications that a person requires to undertake their job activities. When completing this section, do not only consider performance effectiveness, but also consider auditing and safety compliance requirements. When a person is associated with a job, but does not have the required skills, the manager and person will be notified.

Qualifications / Certificates	Mandatory/ Highly Desirable/ Suggested?	Method of Training (e.g. certificate, ticket, observation, on-the-job etc....)	Renewal Required (Y/N/Unsure)	Renewal Frequency (e.g. Never, 1 year, 5 years etc....)
C class Electrician certification	Mandatory	Certification	Y	
Bachelors of Electrical & Instrumentation Engineering or related degree	Mandatory	Degree	N	
Holder of a current driver's license				

3C. WHAT ARE THE CRITICAL PERSONAL ATTRIBUTES REQUIRED FOR THIS JOB?

Personal Attributes <i>i.e., such as resilience, emotional intelligence</i>	Commercial acumen Resilient
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	Flexible Adaptable Customer focused Pragmatic Dependable
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3D. WHAT ARE THE KEY PHYSICAL, PSYCHOLOGICAL OR ENVIRONMENTAL REQUIREMENTS OF THE ROLE?

Key requirements <i>i.e. required to lift heavy boxes, repetitive work, dealing with irate customers</i> <i>Note: some field-based roles will need to complete additional requirements for the role</i>	Hybrid working - meeting stakeholders, leaders and impacted teams at the Mitcham office and at other sites as directed (e.g. treatment plants) to build a strong understanding of the YVW "business" and to develop effective relationships with stakeholders. This role may require out of business hours responses due to the nature of the role and the operational requirements.
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4. WHAT CAREER PATH IS POSSIBLE IN THIS ROLE

PEEPS will hold career path information for jobs within the organisation. This will feed into the PEEPS career and succession planning functionalities. For this job, consider what jobs within the organisation precede and proceed this from a career pathways perspective. Feel free to enter more than one job.

Role before (Name, Team, Division)	
Role after (Name, Team, Division)	SCADA Systems Administrator, SCADA Systems Specialist, OT Specialist

5. CHECKPOINT

Is this a <i>Critical Worker</i> role requiring an AusCheck	<input type="checkbox"/> No <input type="checkbox"/> Yes
Does this role require	<input checked="" type="checkbox"/> Police check <input type="checkbox"/> Working with children <input type="checkbox"/> Victorian Drivers License
Comments	