

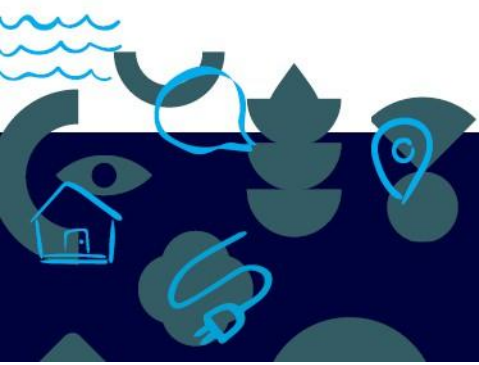
Position Description

EMS Engineer

Operational Systems	Digital, Strategy and Customer
Objectives	• Build and support Operational Systems' Real-time Systems (data, software, hardware and applications) in a secure and reliable manner to meet TasNetworks operational, regulatory and compliance requirements. • Providing high level technical knowledge for the management, operation, design, augmentation and strategic direction of the Energy Management System (EMS) model and applications utilised by Network Operation in support of the Tasmanian Power System.
Role Specific Accountabilities	• Lead the design, development, maintenance and implementation of advanced applications to support EMS network models and applications (State Estimator, Contingency Analyser, Power Flow, etc). Ensuring the reliability, recoverability, performance and accuracy of the EMS model and applications. • Lead the design, development, maintenance and implementation of the supporting layers associated with the EMS model and applications, including required calculations and data management, ensuring data is managed and exchanged (and stored) with relevant systems and participants. • Coordinate with users and process owners and undertake regular quality assurance auditing to ensure that the EMS power system model is developed and maintained to correctly reflect system conditions, identifying and rectifying system issues in a timely and efficient manner to maximise system availability within TasNetworks and AEMO standards. • Diagnose and rectify faults and other incidents, providing recommendations and reports to rectify and/or explain cause. Work with Control System Engineers to ensure that EMS related issues (data, displays, and advanced applications) are corrected. • Manage, develop and maintain the Operator Training Simulator application and assist with the development of training scenarios and running of the simulator for power operator training. Assisting in the development or modification of operational documentation for use by Transmission Coordinators and Distribution Operators. • Provide project management expertise within the Control System team to support and manage Control Systems projects. • Provide EMS related advice within the business and to external parties. • Proactively manage risks and issues to systems, processes and data and drive to resolution. • Ability to participate in an on-call roster, supporting Operational Systems overall Real-time System. • Any other duty or task as reasonably and lawfully directed by TasNetworks.

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To be successful in this role	• Tertiary qualifications in Electrical Power Engineering (Degree or Associate Diploma qualified plus extensive experience in the electricity industry) • Experience with SCADA and Energy Management Systems (EMS) including Power system simulators, applications, databases and user interfaces • Knowledge of the principles and techniques of power system analysis and modelling • Knowledge of Project Management tools and principles and proven project management experience • Ability to work in a real time environment and resolve problems quickly and efficiently • Ability to communicate technical and other information to a broad range of stakeholders in a clear and precise manner (written/verbal) • Experience working in a regulatory environment • An understanding of the Tasmanian electricity system and the National Electricity Rules • Experience in SCADA applications and communications protocols • Experience in developing in C, C++, C# or Python • Experience retrieving and analysing historical information from SCADA databases • Able to plan, schedule and manage own time to deliver outcomes in line with business needs • Result-oriented with a mindset for continuous improvement of service for customers • Builds effective relationships across internal stakeholders group to deliver customer focused results	
Compliance Requirements	• A ‘critical worker’ suitability assessment for the purposes of the <i>Security of Critical Infrastructure Act 2018</i> (Cth) (or any successor to that Act) and the <i>Security of Critical Infrastructure (Critical Infrastructure Risk Management Program) Rules 2023</i> (Cth) (or any successor to those Rules), comprised of: ○ a National Security Assessment by ASIO; ○ a Criminal History Check by ACIC; and ○ a Right to Work in Australia check; • A valid Australian Driver’s License	
Reports to: Leader Control Systems	Direct reports: 0	Approved: August 2025



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