

Position details

Title of Position:	Experienced Telecommunications Engineer
Reports to (position title):	Manager, Automations and Telecommunications Engineering
Division:	Delivery
Function:	Project Engineering
Number of Direct Reports:	NIL
Grade:	6

Health, Safety & Wellbeing

ElectraNet is committed to co-creating a workplace of choice and enriching the communities in which we operate.

As an industry leader, ElectraNet is at the forefront of the clean energy transition. We are socially and environmentally ambitious, and our continued commitment to developing, operating and maintaining our network in a way that creates opportunities for people and nature to thrive is essential to achieving our vision of energising South Australia's Clean Energy future.

Our commitment also drives our focus to create a physical and psychosocial environment that supports the health, safety and well-being of our people.

We all contribute to ElectraNet's workplace culture and have a duty of care to ourselves and one another to work safely, assess and manage risk, courageously speak up and promptly report any unsafe working practices, hazardous working conditions or security threats and to collectively learn and grow from every opportunity.

Position Overview

The Telecommunications Engineer is responsible primarily for the development and delivery of telecommunications engineering services. This includes duties such as developing scope and specifications, detailed engineering design, review and validation of designs, development of design standards and providing specialist technical support to telecommunications network customers, project managers, construction and maintenance contractors and other ElectraNet staff as required.

Success in this role is characterised by impactful and influential technical leadership, clear strategic thinking, and an ability to build relationships across broad stakeholder groups and engineering and design delivery excellence.

Key Responsibilities**Operational & Technical**

Capable of working independently for extended periods with minimal supervision, you will be accountable in contributing to technical advice, projects and operational support in:

- Provide telecommunications design, commissioning, handover and maintenance standards in-conjunction with Asset Strategies and Engineering Services Groups whilst ensuring that the standards developed are relevant, appropriate and kept up to date.
- Contribute to the development of new telecommunications commissioning, design or maintenance standards as required.

- Provide detailed telecommunications scopes & specifications for Project Managers as required.
- Assess the telecommunications aspects of tenders against prescribed standards as required in support of Project Managers.
- Participate in telecommunication site and surveillance audits as required by the Project.
- Perform telecommunications design reviews including Network integration feasibility as required by the Project.
- Undertake technical investigations for telecommunications network commissioning issues as required.
- Ensure that the telecommunications network records are updated during the lifecycle of the project.
- Follow the formal handover procedures for telecommunications equipment in-conjunction with the Assets and Operations Groups.
- Acts as a backup to the Senior Telecommunications Engineer when he/she is absent.
- Assists in ensuring the quality, design & performance specifications comply with industry safety & reliability standards and ElectraNet requirements.
- Fostering technical innovation, acquisition of expertise and supporting a continuous improvement culture.
- Collaborates with multi-disciplinary technical teams.
- Plan and prioritise own workload.
- Apply organisational guidelines, processes and systems to lead the way of best practice.
- Contribute to organisational obligations related to compliance with legislative requirements and regulations.
- Contribute to cyber security obligations related to compliance in relation to all technical requirements, regulations and legislation certification.
- Flexible approach to working hours-some out-of-hours work may be required.

Behavioural

- Build and maintain strong working relationships with and between internal and external stakeholders, delivering a high level of customer service.
- Create and develop a respectful workplace environment that values cultural diversity, innovation, open discussion, and cross functional collaboration to help drive high performance.
- Lead by example; role model desired behaviour and priorities, demonstrate personal accountability for self-development and for achieving quality and timely results.
- Demonstrate behaviour that is consistent with ElectraNet's values, Code of Conduct and Acceptable Use of Technology Resources Policy while performing the role in a professional and ethical manner.
- Promote safe work practises that support the safety of all workers and the security of ElectraNet's assets, proactively reporting safety incidents, near misses and security threats.

Significant Working Relationships

- Telecoms Engineering design and Operations teams
- ElectraNet Asset Management
- ElectraNet Corporate Development division
- External Customers & Suppliers
- External D&C Contractors

Equipment & Technology Used

- Nokia IP/MPLS and WDM equipment

- Ceragon and Aviat Microwave radios
- CNMS-NG and Connect Master
- Other specialist analysis tools: e.g. T-Path, PHPIPAM

Selection Criteria

Knowledge & Experience

Essential

- Applying theoretical and practical knowledge to solve commonly encountered problems.
- Applying generally accepted concepts, principles and standards in well-defined areas.
- Undertake ongoing tasks being performed on either a daily/weekly/monthly basis.
- Demonstrable knowledge and experience of telecommunication technologies and equipment.
- Knowledge of legislated industry requirements (National Electricity Rules, SA Electricity Transmission Code, AEMO Guidelines).
- Well-developed analytical, investigation and problem-solving skills.
- Demonstrated good written and verbal communication skills; good interpersonal skills.
- Demonstrated experience in microwave radio design and installation and optic fibre systems.
- Demonstrated experience with IP and MPLS network technologies.
- Well-developed understanding of Technical standards, adhering to company documentation and regulatory requirements.
- Demonstrated ability with Telecoms design and commissioning systems.
- Demonstrated ability to gain trust and team with multidisciplinary professionals working on specific projects.
- Well-developed technical integration skills in a telecommunications environment.
- Demonstrated experience and achievement in business process change.
- Demonstrable ability to work as a team member and actively promote office harmony.
- Flexible approach to working hours and after-hours commitments
- Basic knowledge of project delivery, meeting budget and schedule constraints.
- Competent with written and verbal communication skills; good interpersonal skills

Desirable

- Demonstrated understanding in PDH technologies and Power Line Carrier systems.
- Demonstrated experience with SDH and WDM technologies.
- Demonstrated understanding in telecom providers management systems (CNMS, Alcatel 1353, Marconi).
- Demonstrated understanding with reporting and information management disciplines (eg. SAP).
- Demonstrated understanding with Telecom networks in an electricity utility environment business.
- Well-developed service management skills to improve operational effectiveness.
- Knowledge of substation and transmission system components, performance and operation.
- Minimum 5 years' experience, in Electrical/Electronic Engineering related role.
- Flexible approach to working hours and after-hours commitments
- Electricity Industry background an advantage

Qualifications

- Tertiary qualification in Electrical/Electronic Engineering (Telecommunications option preferred) or relevant discipline (essential).

- Eligible for membership of Engineers Australia (essential).
- White Card training (desirable).
- Drivers Licence (essential).

Background Checks

- Pre-employment checks, including background and security checks (such as global criminal checks) are required for this position, completed prior to commencement and repeated on a regular basis after appointment.

NOTE: Copies of the above listed qualifications/licences/certificates are required as evidence on appointment.