

Position details

Title of Position:	Telecommunications Asset Analyst
Reports to (position title):	Telecommunications Manger
Division:	Assets
Function:	Telecommunications
Number of Direct Reports:	Nil
Grade:	5

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 wellbeing 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 Asset Analyst oversees the integration, network performance and proactive management of the telecommunication network at ElectraNet to ensure system reliability, dependability, and security. They spend their days providing specialist skills to deploy new capability on new and existing Telecommunication infrastructure applying creativity and in-depth network knowledge for the long-term requirements and possibilities of our network. They work closely with construction contractors and maintenance providers to ensure quality assets and network information. In addition, they provide highly specialised advice facilitating delivery of complex projects.

Success in this role is characterised by impactful and influential expertise, strong analytical thinking, and an ability to build relationships across broad stakeholder groups and operational excellence.

Key Responsibilities**People Qualities**

- Lead by example; role model the Safety-First culture; demonstrate personal accountability for self-development and for achieving quality and timely results.
- Exemplify personal drive, professionalism and integrity; effectively communicate ideas, influence others and think practically.
- Role model the behaviours that contribute to a constructive and high performing environment.

- Challenge the status quo and set the example for achieving high performance outcomes.

Operational & Technical

- Facilitate the delivery of technical expertise to other ElectraNet teams and peers.
- Provide technical advice and operational support to customers and colleagues across the following areas:

Testing and Commissioning of Telecommunication network

- Develop and support testing and commissioning of ElectraNet assets, ensuring adherence to technical standards and operational requirements.
- Review and assessment of Inspection and Test plans.
- Undertaking telecommunication testing and commissioning support activities.
- Ensure quality assurance across maintenance, construction and commissioning activities to meet technical and compliance requirements

Activate and Migrate Services and Optimise Network

- Performing device configuration of new and existing equipment to deliver new and reconfigure existing services
- Perform analysis of telecommunications network to optimise performance and maintain availability
- Reviewing Network Change Control requests, to ensure compliance with ElectraNet and other relevant standards including National Electricity Rules (NER).
- Creating and reviewing defect notifications and planning corrective actions
- Support the day-to-day management and configuration of the telecommunications PDH, SDH, WDM and microwave radio networks including the substation and repeater sites 48VDC supply systems.
- Restoration of assets which have undergone repair, alteration, replacement, maintenance or assets where service activation documentation is required.
- Supporting the bench testing of new equipment and unique configurations in compliance with internal new equipment policies and procedures.
- Contributing to the development of new telecommunications commissioning, design or maintenance standards as required.
- Collaborating with multi-disciplinary technical teams to support the achievement of business outcomes.
- Support investigations, diagnosis and analysis of power system HV faults, failures and incidents and recommendation of corrective actions after such events.
- Apply guidelines, processes and systems to lead the way to best practice.
- You may be directed to undertake other duties commensurate with your skills and classification level.

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 result.
- Carry out the role in a professional and ethical manner and in accordance with ElectraNet's values, Code of Conduct and other policies.

Significant Working Relationships

- External Customers & Suppliers.
- ElectraNet Delivery and Network teams.
- Telecoms Engineering Design and Operations teams.
- SA Power Networks (SAPN).
- External D&C Contractors.

Equipment & Technology Used

- WS-NOC Operational and maintenance.
- NFM-P Operational and maintenance.
- CNMS-NG Operational and maintenance.
- ConnectMaster Operational and maintenance.
- ProVizion Operational and maintenance.
- SO-EM Operational and maintenance.
- Netmaster – Ceragon NMS.
- MS Office Suite.
- ElectraNet internal systems SAP, Grazer, SPF etc.

Selection Criteria

Knowledge & Experience

Essential

- Demonstrated knowledge of the PDH/SDH/Radio and Optical equipment, their performance and operation.
- Background in PDH and SDH network technologies, with a focus on Nokia and Ericsson multiplexer deployment and maintenance
- Demonstrated experience in telecom providers systems (Dorado CNMS-NG, VertiGIS ConnectMaster, Ericsson SO_EM, Aviat Provision, Nokia WS-NOC/NFM-T and NFM-P and Ceragon Netmaster)
- Knowledge and experience of telecommunication network management systems and protocols (including SNMP, API interfacing) and network operations management
- Knowledge and understanding of network operational requirements and monitoring of telecommunication networks in an electricity utility environment.
- Knowledge with reporting and information management disciplines (e.g., SAP).
- Experience in fault investigation and event recording, adhering to company SLA's and local Operational Procedures.
- Knowledge of telecommunications carrier network topologies and equipment.
- Well-developed service management skills to improve operational effectiveness.
- Well-developed analytical, investigation and problem-solving skills.
- Time management, coordination, and organisation skills.
- Demonstrable written and verbal communication skills; good interpersonal skills.
- Knowledge of legislated industry requirements (WHS Act/Regulations, National Electricity Rules, ESCOSA, OTR, AEMO Guidelines).
- Knowledge of substation and transmission system components, performance and operation.
- Demonstrable ability to work as a team member and actively promote office harmony.

- Experience with Co-pilot, ChatGPT or other AI tools to support the role
- Flexible approach to working hours and after-hours commitments.
- South Australian Car Driver's Licence (or eligibility to obtain one if international candidate).

Desirable

- Minimum 3 years' experience, in a Telecommunications Asset related role
- Demonstrated understanding of serial data protocols and Power Line Carrier systems.
- Electricity Industry background an advantage
- Understanding of automation languages such as Python an advantage

Qualifications

- Tertiary qualification in Electrical/Electronic Engineering (Telecommunications option preferred) or relevant discipline experience (desirable)
- Industry qualifications to CCNA or CCNP level (desirable)
- 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.