

## Position Details

### Technical Services – CSOF4

| THE FOLLOWING INFORMATION IS FOR APPLICANTS |   |
|---|---|
| Advertised Job Title                        | Licenced Electrician - SKA-Low Telescope  |
| Job Reference                               | 96764   |
| Tenure                                      | Indefinite - Full-time, Part-time or Job-share  |
| Salary Range                                | CSOF4 - AU\$93,267 to AU\$105,517 per annum, plus 15.4% superannuation  |
| Location(s)                                 | Geraldton, Western Australia  |
| Relocation Assistance                       | Will be provided to the successful candidate if required  |
| Applications are open to                    | Australian/New Zealand Citizens and Australian Permanent Residents  |
| Client Focus – Internal                     | 0%  |
| Client Focus – External                     | 100%  |
| Position reports to the                     | This position will report to the SKA-Low Senior Electrician   |
| Number of Direct Reports                    | 0   |
| Enquire about this job                      | To enquire about this job please reach out to the SKA-Low Senior Electrician, Peter Sudran, on Peter.Sudran@skao.int for more information.  |
| How to apply                                | Apply online at <a href="https://jobs.csiro.au/">https://jobs.csiro.au/</a><br>Internal applicants please apply via <b>Jobs Central</b><br>If you experience difficulties when applying, please email careers.online@csiro.au or call 1300 984 220. |

#### Acknowledgement of Country

CSIRO acknowledges the Traditional Owners of the land, sea and waters, of the areas that we live and work on across Australia. We acknowledge their continuing connection to their culture and pay our respects to their Elders past and present. View our [vision towards reconciliation](#).

#### The CSIRO Experience

As an employee of CSIRO, you will be eligible for the many benefits of working at Australia's National Science Agency. You can read more here:

1. [Life at CSIRO](#)
2. [Personal Development & Learning](#)
3. [Generous Leave & Conditions](#)
4. [Work / Life Balance](#)

## Background

The SKA Observatory (SKAO) is a next-generation radio astronomy facility that will revolutionise our understanding of the Universe and the laws of fundamental physics. Enabled by cutting-edge technology, it promises to have a major impact on society, in science and beyond. As an intergovernmental organisation, the SKAO brings together sixteen countries around the world.

The SKAO has an international footprint and consists of the SKAO Global Headquarters in the UK, the SKAO's two telescopes at radio-quiet sites in South Africa and Australia, and associated facilities to support the operations of the telescopes.

Constructing and operating these telescopes will position the SKAO as the leading research infrastructure for radio astronomy globally, providing science capabilities to the international astronomical community for decades to come.

Australia will host the SKAO's low frequency telescope (SKA-Low) in remote Western Australia on Wajarri Yamaji Country.

The Traditional Owners and native title holders, the Wajarri Yamaji, have gifted CSIRO with the traditional name Inyarrimanha Ilgari Bundara for the CSIRO Murchison Radio-astronomy Observatory, home to the SKA-Low telescope. The traditional name means 'sharing sky and stars' in the Wajarri language.

In Australia, SKAO is collaborating with CSIRO to operate and support the construction of the SKA-Low Telescope. SKA-Low teams will operate out of:

- Inyarrimanha Ilgari Bundara, the CSIRO Murchison Radio-astronomy Observatory on Wajarri Yamaji Country.
- Our Engineering Operations Centre on Nhanhangardi, Naaguja, Wilynyu and Amangu Country in Geraldton.
- Our Science Operations Centre on Whadjuk Noongar Country in Perth.

Further Reading: [Explore SKAO](#)

## Role Overview

The SKA-Low Licenced Electrician will form part of the SKA-Low Engineering Operations team based at our Engineering Operations Centre in Geraldton, Western Australia. They will assist the SKA-Low Electrician and broader telescope maintenance team with both scheduled and unscheduled electrical maintenance activities on the SKA-Low Telescope and its associated infrastructure.

They will work under broad supervision to aid in the deployment, maintenance, operation and upgrade of a wide range of electrical systems at the telescope site. The role includes participating in planning, fault finding and repair, testing and installation work.

This role is based in Geraldton, WA, with Fly-In-Fly-Out rotations to Inyarrimanha Ilgari Bundara, the CSIRO Murchison Radio-astronomy Observatory, and will have additional interactions with stakeholders and staff in Geraldton. The role will work on a Monday-Thursday site based roster.

Transportation to and from site is via Fly-In-Fly-Out or Drive-In-Drive-Out arrangements from Geraldton.

CSIRO and the SKA Observatory value and respect difference, and we are committed to building an inclusive culture by creating an environment where you can balance a successful career with your commitments and interests outside of work. We believe that you will do your best at work if you have a work / life balance. We are open to discussing flexible working opportunities with this role

being offered on a full-time, part-time or job share basis. Please raise your preference in your application.

### **Duties and Key Result Areas**

- Undertake installation, commissioning, maintenance, and equipment upgrades across a range of industrial electrical and electronic systems.
- Actively contribute to written and online documentation associated with equipment repair and maintenance, including management of system drawings and schematics, and configuration management.
- Carry out regular safety inspections and effect prompt repairs of all electrical equipment.
- Assist in a range of site activities and interact and cooperate with other technical and non-technical staff to ensure the safe and efficient operation of the observatory systems.
- Liaise with Space & Astronomy staff from other observatories to help undertake collaborative projects as required.
- Schedule work to meet future demand and use discretion to decide on required methods and approaches.
- Participate in the after-hours on-call system, attend to after-hours breakdowns, and work flexible hours as required.
- Ensure test equipment, electrical spares and components, consumables and other workshop equipment are well stocked and maintained.
- Communicate openly, effectively, and respectfully with all staff, clients, and suppliers in the interests of good business practice, collaboration and enhancement of the SKAO's and CSIRO's reputation.
- Work collaboratively as part of a professional regionally and internationally dispersed team.
- Adhere to the spirit and practice of both SKAO's and CSIRO's values as well as the Code of Conduct, Health, Safety and Environment procedures and policy, Diversity initiatives and Zero Harm goals.
- Other relevant duties as required.

### **Selection Criteria**

CSIRO is an Equal Opportunity employer working hard to recruit world-class talent that represents the diversity across our society. As part of our commitment to equitable employment outcomes for under-represented groups, preference will be given to Aboriginal and Torres Strait Islander people, women, and people with a disability who meet the role criteria.

### **Essential**

*Under CSIRO policy only those who are able to demonstrate how they can meet the essential criteria may be appointed.*

- Relevant trade qualification for an Electrician and an unrestricted WA Electrical Licence, or an ability to obtain before commencement.
- Practical knowledge in the design, upgrade, and installation of switchboards and electrical distribution systems to meet Australian electrical standards.
- Demonstrated experience planning and conducting the commissioning, maintenance, repairs, fault finding and diagnosis of electrical systems, including interpretation of drawings.
- Demonstrated ability to work safely and effectively as part of a small engineering team with minimal supervision and display a high level of initiative and self-motivation.

- Demonstrated experience using industry relevant software systems i.e., Electrical diagnostic software, SCADA, SAP, Maximo, CITEC, PLC software or similar.
- Good written and verbal communication skills and proven ability to utilise computer software packages for general correspondence and documentation updates.

### Desirable

- Experience working in remote locations.
- Experience in maintenance and repair of HVAC systems.
- Experience in High Voltage Switching Operations.
- Relevant additional High Risk Work Licences.
- WA Heavy Rigid Licence.

### Required Competencies

- **Teamwork and Collaboration:** Cooperates with others to achieve organisational objectives and may share team resources in order to do this. Collaborates with other teams as well as industry colleagues.
- **Influence and Communication:** Uses knowledge of other party's priorities and adapts presentations or discussions to appeal to the interests and level of the audience. Anticipates and prepares for others reactions.
- **Resource Management/Leadership:** Allocates activities, directs tasks and manages resources to meet objectives. Provides coaching and on the job training, recognises and supports staff achievements and fosters open communication in the team.
- **Judgement and Problem Solving:** Investigates underlying issues of complex and ill-defined problems and develops appropriate response by adapting/creating and testing alternative solutions.
- **Independence:** Recognises and makes immediate changes to improve performance (faster, better, lower cost, more efficiently, better quality, improved client satisfaction.)
- **Adaptability:** Copes with ambiguity or situations that lack clarity. Adapts readily to changing circumstances and new responsibilities (which may include activities outside own preferences) in the interests of achieving team objectives. Recognises the need for and undertakes personal development as a result of changes.

### Special Requirements

- The successful candidate will be required to gain a National Police Clearance or equivalent. This will be conducted by CSIRO, Talent Services, through our provider HireRight. Please note that individuals with criminal records are not automatically deemed ineligible. Each application will be considered on its merits.
- The successful candidate will be required to undertake a pre-employment medical examination prior to commencement.

### Child Safety

CSIRO is committed to the safety and wellbeing of all children and young people involved in our activities and programs. View our [Child Safe Policy](#).

## CSIRO and SKAO Values

Visit [CSIRO Online](#) and [Space and Astronomy](#) and [SKAO online](#) and [SKAO Location](#) for more information. In your application and at interview you will need to demonstrate behaviours aligned to our values of:

| <b>CSIRO</b>   | <b>SKA Observatory</b>   |
|--|--|
| <ul style="list-style-type: none"><li>● People First</li><li>● Further Together</li><li>● Making it Real</li><li>● Trusted</li></ul> | <ul style="list-style-type: none"><li>● Diversity and Inclusion</li><li>● Excellence</li><li>● Collaboration</li><li>● Creativity and Innovation</li><li>● Sustainability and Safety</li></ul> |