# Position Details

## Research Projects- CSOF4

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| The following information is for applicants |
| Advertised Job Title | Industrial Electrician – Electrical and Control Systems |
| Job Reference | 91379 |
| Tenure | Indefinite  |
| Salary Range | AU$89k - AU$101k per annum, plus up to 15.4% superannuation |
| Location(s) | Narrabri, NSW |
| Relocation Assistance | Will be provided to the successful candidate if required |
| Applications are open to | Australian or New Zealand Citizens and Australian Permanent Residents |
| Position reports to the | Engineering Team Leader |
| Client Focus – Internal | 90% |
| Client Focus – External | 5% |
| Number of Direct Reports | 0 |
| Enquire about this job | Peter Mirtschin via email: Peter.Mirtschin@csiro.au or phone 02 6790 4058 |
| How to apply | Apply online at <https://jobs.csiro.au/> Internal applicants please apply via **Jobs Central**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](https://www.csiro.au/en/about/Indigenous-engagement/Reconciliation-Action-Plan).

### Role Overview

Space and Astronomy (S&A)manages CSIRO’s world-class facilities for radio astronomy and spacecraft tracking, is internationally renowned for its radio astronomy research and engineering expertise, and closely engaged with construction of the SKA, a major international project in radio astronomy sited jointly in Western Australia and South Africa.

CSIRO’s radio astronomy observatories are collectively known as the Australia Telescope National Facility (ATNF) and comprise radio telescopes at three observatories near the towns of Parkes, Coonabarabran and Narrabri NSW. A fourth telescope, the next-generation Australian Square Kilometre Array Pathfinder (ASKAP), is operated at the Murchison Radio-astronomy Observatory (MRO) in Western Australia.

The Industrial Electrician is part of the ATNF Operations Program to support Observatory Operations at the Paul Wild Observatory, near Narrabri, NSW. The observatory site is located 25km from the township of Narrabri. Transport to/from Narrabri and the observatory site is provided.

As part of a small multi-disciplinary engineering team, the role involves maintenance and repairs of observatory electrical and control systems and contributes to infrastructure upgrade programs.

The position combines the advantages of a rural lifestyle with a role that presents unique challenges at a prime science and technology research facility.

### Duties and Key Result Areas

* Undertake routine maintenance, fault diagnosis and defect repairs to ensure reliable operation of a range of electromechanical and servo drive systems for the Narrabri and Mopra Telescopes.
* Work collaboratively with colleagues to identify areas for improvement to ensure high levels of system reliability and enhance performance across systems.
* Assist with the design, installation and commissioning of enhancements and system upgrades.
* Work to improve or create documentation for processes associated with equipment repair and maintenance activities.
* Attend to afterhours breakdowns and work flexible hours as required.
* Occasionally travel to other sites to assist with installation and maintenance of electrical systems.
* Communicate openly, effectively and respectfully with all staff, clients and suppliers in the interests of good business practice, collaboration and enhancement of CSIRO’s reputation.
* Work collaboratively as part of a multi-disciplinary, regionally dispersed team, to carry out tasks in support of CSIRO’s scientific objectives.
* Adhere to the spirit and practice of CSIRO’s Code of Conduct, Health, Safety and Environment procedures and policy, Diversity initiatives and Making Safety Personal goals.
* Other duties as directed.

## **Selection Criteria**

***Pre-Requisites:***

1. NSW Electrical License (or ability to obtain one if from another state) and 5-10 years post trade experience.
2. A current Class ‘C’ Australian driver’s licence (or equivalent).

#### Essential

*Under CSIRO policy only those who meet all essential criteria can be appointed.*

1. Demonstrated experience with the operation and maintenance of a broad range of electromechanical and electronic systems, including precison servo drive systems, hydraulics, power generation and distribution and Uninterruptible Power Supply (UPS) systems.
2. Proven experience with fault finding and repair of complex industrial control systems including both relay control logic and PLC based sysems.
3. Ability to communicate effectively, in-person and in writing, with multi-disciplinary teams, management, contractors and external stakeholders;
4. Abiliy to undertake travel and stay at other sites when required.
5. The ability and willingness to work and access heights up to 30m above the ground.
6. Demonstrated commitment to safe work practices, environmental sustainability and the principles of equity and diversity.

## **Desirable**

1. Experience with computer aided drafting (CAD).

## **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:** Recognise 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 asked to obtain and provide evidence of a National Police Clearance or equivalent. Please note that individuals with criminal records are not automatically deemed ineligible. Each application will be considered on its merits.

## **About CSIRO**

We solve the greatest challenges through innovative science and technology. Visit [CSIRO Online](https://www.csiro.au/) and [Space and Astronomy](https://www.csiro.au/en/research/technology-space/astronomy-space) for more information.

CSIRO is a values-based organisation.  In your application and at interview you will need to demonstrate behaviours aligned to our values of:

* People First
* Further Together
* Making it Real
* Trusted