# Position Details

## Research Projects- CSOF1

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| The following information is for applicants | |
| Advertised Job Title | Junior Electronics and RF Technician (2 positions) |
| Job Reference | 98945 |
| Tenure | Specified Term of 4 years Full-time |
| Salary Range | AU$53k per annum plus up to 15.4% superannuation |
| Location(s) | Marsfield |
| Relocation Assistance | Will be provided to the successful candidate if required |
| Applications are open to | Australian/New Zealand Citizens and Australian Permanent Residents |
| Position reports to the | Team Leader in the Antennas and Receiver Technologies Group |
| Client Focus – Internal | 100% |
| Client Focus – External | 0% |
| Number of Direct Reports | 0 |
| Enquire about this job | Contact Simon Mackay via email at simon.mackay@csiro.au |
| 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](mailto: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).

**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](https://www.csiro.au/en/about/policies/child-safe-policy).

### Role Overview

The Technologies for Radio Astronomy program at CSIRO Space and Astronomy (S&A) supports Australia’s leadership in radio astronomy technology and infrastructure. We operate several world-class radio astronomy observatories collectively known as the Australia Telescope National Facility or ATNF. We design and deliver instrumentation and data-processing systems for our own telescopes as well as for international facilities. Beyond astronomy, our work is finding application in earth observation, satellite communications, and space situational awareness.

As a junior technician, you will be under the mentorship of senior technicians and engineers within S&A and will be trained to provide support in the development, production and maintenance of state-of-the-art radio astronomy instrumentation and sub-systems.

The positions will be based at our Marsfield site in Sydney and will engage with a range of projects both internal and external. Additionally, the role will require occasional field work including installation and commissioning activities at our regional and interstate observatories.

This is a fantastic opportunity for enthusiastic individuals to train as a technician in the electronics and radio frequency (RF) fields and work on state-of-the-art systems. These positions would suit a recent school leaver or someone in the early stages of a relevant course of study at diploma or certificate level who has a demonstrated interest in electronics and engineering and is passionate about a hands-on role in this field.

### Duties and Key Result Areas

* Contribute to a team responsible for the design and development of room temperature and cryogenically cooled, low noise radio astronomy receiver systems together with associated support electronics.
* Undertake laboratory-based work using small hand tools, soldering equipment and test instruments.
* Undertake procurement of electronic equipment, electronic components, and other laboratory items.
* Maintenance of laboratory facilities and inventory.
* Travel to CSIRO observatories and other sites to assist with installation, commissioning, and maintenance of electronic systems.
* Work collaboratively with colleagues within a multi-disciplinary team, the S&A engineering program and across CSIRO, to reach objectives.
* Communicate effectively and respectfully with all staff, clients, and suppliers in the interests of good business practice, collaboration, and enhancement of CSIRO’s reputation.
* Adhere to the spirit and practice of CSIRO’s Values, Code of Conduct, Health, Safety and Environment procedures and policy and diversity initiatives.
* Other duties as directed.

## **Selection Criteria**

#### Essential

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

* Certificate of high school education.
* A demonstrated interest in electronics and engineering.
* A technical aptitude with a high attention to detail and a strong interest in how things work.
* Have a willingness to learn and develop hands-on skills.
* Must be willing to undertake both formal and on-the-job training.
* Must be willing to travel to our regional and interstate sites for up to 2 weeks at a time*.*
* Good written and verbal communication skills with the ability to work well in a team environment.

## **Desirable**

* A background or hobby in electronics and/or other areas of engineering would be looked upon favourably.
* A current NSW driver’s license would be advantageous.

## **Required Competencies**

* **Teamwork and Collaboration:** Demonstrates initiative, actively contributing as a team member. Supports team decisions and keeps other team members up to date about individual actions. Shares all relevant and useful information. Pitches in and helps other team members when necessary.
* **Influence and Communication:** Communicates basic facts in a courteous manner including posing appropriate questions to gain factual information.
* **Resource Management/Leadership:** Uses allocated materials and equipment in an efficient and effective manner.
* **Judgement and Problem Solving:** Recognises and seeks to resolve problems as they arise.
* **Independence:** Accepts personal responsibility for doing the job well. Looks for opportunities to improve the way things are done and makes recommendations accordingly.
* **Adaptability:**Accepts the need for change to work routines or technology.

Special Requirements

Appointment to this role is subject to provision of a pre-employment background check and may be subject to other security/medical/character clearance requirements.

* To be eligible for this position you must be willing and able to:

- work flexible hours when required;

- spend periods of up to two weeks at time working at locations away from Sydney;

- access and work at heights up to 100m above the ground and to work in confined spaces within the constraints of CSIRO’s Health and Safety policies.

## **About CSIRO**

We solve the greatest challenges through innovative science and technology. Visit [CSIRO Online](http://www.csiro.au/) and [Space and astronomy - CSIRO](https://www.csiro.au/en/research/technology-space/astronomy-space?start=0&count=12) 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