# Position Details

## Research Projects- CSOF6

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| The following information is for applicants |
| Advertised Job Title | Senior Engineer – Parkes Observatory |
| Job Reference | 77284 |
| Tenure | Indefinite, full-time (job share may be considered if circumstances permit) |
| Salary Range | AU$115k - AU$135k per annum (pro-rata for part-time)plus up to 15.4% superannuation |
| Location(s) | Parkes, New South Wales, Australia |
| Relocation Assistance | Will be provided to the successful candidate if required |
| Applications are open to | All candidates |
| Position reports to the | Group Leader – East Coast Observatories |
| Client Focus – Internal | 90% |
| Client Focus – External | 10% |
| Number of Direct Reports | 5 |
| Enquire about this job | Peter Mirtschin via email Peter.Mirtschin@csiro.au or phone +61 2 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. |

### Role Overview

CSIRO, Australia's national science agency, operates a number of world-class radio astronomy observatories that are collectively known as the Australia Telescope National Facility or ATNF. The facility offers a powerful view of the southern hemisphere radio spectrum and supports world-leading research by Australian and international astronomers. Observatories in NSW are located at Parkes, Narrabri and Coonabarabran with Headquarters and laboratories located at Marsfield, Sydney. CSIRO also manages the Murchison Radio-astronomy Observatory, which is home to the Australia Square Kilometre Array Pathfinder (ASKAP) Telescope and where the Square Kilometre Array telescope infrastructure in Australia is to be centred.

The position of Engineer is based at the iconic Parkes Observatory (“The Dish”) and leads the Parkes Observatory technical team. The Engineer has a lead role in the day-to-day operation of the site, supporting the local staff in their work activities to maintain high levels of reliability and performance of Observatory systems and infrastructure. The role contributes to the engineering maintenance, operations and upgrades for the Parkes 64-m and 12-m telescopes and provides engineering expertise to support other ATNF facilities as required.

The Engineer also acts as the Site Leader to provide a local leadership presence for staff on site and for representing CSIRO locally. The Site Leader plays a critical role in supporting social cohesion and will have oversight of Health, Safety, Environmental and Emergency Management on site.

### Duties and Key Result Areas

* Lead the Parkes Observatory team to ensure smooth day-to-day operations of the Observatory.
* Act as the Site leader to support the local staff in their work activities and to ensure high standards of safety on site.
* Act as the Observatory’s point of contact, coordinating and liaising actively with engineering and science staff from other sites and with other CSIRO stakeholders.
* Coordinate and play an active role to ensure relevant out-of-hours support for Observatory operations.
* Represent CSIRO and the ATNF at local events and provide support for visits from VIPs and the media.
* Use specialised scientific or engineering skills to contribute actively to the maintenance, operations and upgrades of Observatory systems and equipment.
* Provide specialist engineering support and skills to other ATNF Observatories.
* Assist the Group Leader to coordinate and prioritise work activities for staff to support key projects and developments across NSW observatories.
* Exercise financial and asset management responsibilities, including financial delegations.
* Maintain confidentiality when accessing commercially sensitive information of CSIRO and/or research or commercial partners.
* 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 scientific objectives.
* Adhere to the spirit and practice of CSIRO’s Values, Code of Conduct, Health, Safety and Environment procedures and policy, Diversity initiatives and Zero Harm goals.
* Other duties as directed. The duties of the Team Leader and Site Leader are not limited to the above and a flexible approach and ability to adapt to evolving situations is required.

## **Selection Criteria**

#### Essential

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

1. A degree in engineering in a relevant field.
2. A sound understanding of a broad range of engineering principles including radio-frequency receiver systems, servo systems, digital and analogue electronics, electrical and mechanical.
3. Demonstrated experience managing and leading staff in an operational environment, including Health, Safety and Environment matters.
4. Proven high-level ‘hands-on’ technical and problem solving skills.
5. Demonstrated ability to build relationships, work collaboratively and manage complex professional relationships.
6. Excellent English oral and written communication skills.
7. An Australian Class ‘C’ driver’s licence (or equivalent).

## **Desirable**

1. Experience maintaining safety and compliance standards of electrical systems and infrastructure.

## **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 team as well as industry colleagues.
* **Influence and Communication:** Identifies critical stakeholders and influences them via an influential third party, for example through an established network, to gain support for sometimes contentious, proposals / ideas.
* **Resource Management/Leadership:** Sets up and maintains effective and efficient work teams and manages performance and resources, to achieve objectives. Chooses appropriate management strategies and communication styles to maintain high levels of motivation and productivity. Gives feedback for development purposes and provides support and direction for improvement.
* **Judgement and Problem Solving:** Anticipates and manages problems in ambiguous situations. Develops and selects an appropriate course of action and provides for contingencies. Evaluates, interprets and integrates complex bodies of information and draws logical conclusions, synthesises proposals and defends options with reasoned arguments.
* **Independence:** Assesses the risk and opportunity of identified strategies, options and actions. Overcomes problems and setbacks in achieving goals. Invariably includes consideration of value-added future impact on bottom line when determining the optimal and efficient use of resources.
* **Adaptability:**Demonstrates flexibility in thinking and adapts to and manages the increasing rate of organisational change by adjusting strategies, goals and priorities.

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.

• If the successful candidate is not an Australian Citizen or Permanent Resident, they may be required to undergo additional security clearances, which may include medical examinations and an international standardised test of English language proficiency (i.e. IELTS test) - <https://ielts.com.au/>

• Must be able and willing to travel to other ATNF Observatories for up to a week at a time.

• Must have the ability to access telescope structures and work at heights (up to ~50m).

## **About CSIRO**

We solve the greatest challenges through innovative science and technology. Visit [CSIRO Online](http://www.csiro.au/) and [Space and Astronomy](https://www.csiro.au/en/Research/Astronomy) 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