# Position Details

## Technical Services- CSOF4

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| The following information is for applicants | |
| Advertised Job Title | Fitter / Machinist (Mechanical Technician) |
| Job Reference | 96176 |
| Tenure | Indefinite  Full-time or part-time (minimum 0.6FTE) |
| Salary Range | AU$93,267 - AU$105,517 per annum (pro-rata for part-time)  plus up to 15.4% superannuation |
| Location(s) | Narrabri |
| 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 | Engineering Team Leader |
| Client Focus – Internal | 100% |
| Client Focus – External | 0% |
| Number of Direct Reports | 0 |
| Enquire about this job | Contact Peter Mirtschin via email at 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](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

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.

We are seeking a Mechanical Technician (Fitter) be part of the ATNF Operations Program to support Observatory Operations at the Paul Wild Observatory, near Narrabri NSW. The observatory site is located 25 km from the township of Narrabri. Transport to/from Narrabri and the observatory site is provided.

You will contribute as part of a small multi-disciplinary engineering team to conduct the routine maintenance and repairs to a range of mechanical systems.

This is an opportunity to combine 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 planned maintenance activities, routine service inspections and defect repairs on a broad range of mechanical systems.
* Monitor system performance, diagnose faults and effect repairs in a timely manner to support Observatory operation.
* Provide assistance to the Cryogenics team with routine maintenance activities.
* Maintain accurate maintenance logs and relevant engineering drawings and documentation.
* Maintain a stores system, workshop and machine shop in good order.
* Attend to afterhours breakdowns and work flexible hours as required.
* Assist in a range of site activities such as Reconfigures and interact and co-operate with other technical and non-technical staff to ensure the safe and efficient operation of the observatory.
* Occasionally travel to other sites to assist with the installation and maintenance of mechanical 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**

#### Essential

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

1. Demonstrated industrial experience and practical skills in the maintenance and repairs of mechanical systems including, hydraulics, open gearing, gearboxes, diesel generators, equipment hoists and fuelling systems.
2. Demonstrated experience and aptitude in planning and conducting the maintenance, repairs, fault finding and diagnosis of mechanical systems including interpretation of drawings and schematics.
3. Demonstrated experience working independently and as part of a team in an operational environment while displaying a high level of initiative and self-motivation.
4. Good written and verbal communication skills and a sound level of computer literacy.
5. Ability and willingness to travel to other NSW sites for training and professional development or to assist with the repairs and maintenance of equipment.
6. The ability and willingness to work and access heights up to 30m above the ground.
7. Demonstrated commitment to safe work practices, environmental sustainability and the principles of equity and diversity.
8. A relevant Certificate III or Diploma in Engineering - Mechanical Trade (Fitter/Machinist) with strong post trade experience.
9. A current Class ‘C’ Australian driver’s licence (or equivalent).

## **Desirable**

1. Experience with computer aided drafting (CAD).
2. Experience with HVAC, vacuum or cryogenic systems.

## **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

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.

* The successful candidate will undertake a pre-employment background check. 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](http://www.csiro.au/) and [Australia Telescope National Facility | (csiro.au)](https://www.atnf.csiro.au/) 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