# Position Details

## Technical Services- CSOF4

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| The following information is for applicants | |
| Advertised Job Title | Network and Computing Technician (AIV) |
| Job Reference | 96624 |
| Tenure | Indefinite – Full-Time or Part-Time |
| Salary Range | AU$93,267- AU$105,517 per annum (pro-rata for part-time)  plus up to 15.4% superannuation |
| Location(s) | Perth, Western Australia |
| Relocation Assistance | Domestic 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 | CSIRO AIV Team Leader |
| Client Focus – Internal | 50% |
| Client Focus – External | 50% |
| Number of Direct Reports | 0 |
| Enquire about this job | To enquire about this position, please contact Allison Weidenbaum via email at Allison.weidenbaum@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).

### 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 Observatory 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.
* SKAO Engineering Operations Centre on Nhanhangardi, Naaguja, Wilynyu and Amangu Country in Geraldton.
* SKAO Science Operations Centre on Whadjuk Noongar Country in Perth.

### Role Overview

CSIRO is expanding the Assembly, Integration and Verification (AIV) Team in Perth to include a Network and Computing Technician.

The Network and Computing Technician will support all AIV related installation, connection, testing and verification activities for the SKA-Low Telescope computing and network infrastructure in Perth and at the Site. The role will be based at the SKAO Science Operations Centre in Perth, and will involve some travel to Inyarrimanha Ilgari Bundara the Murchison Radio-astronomy Observatory, the SKAO Engineering Operations Centre in Geraldton and other SKAO facilities.

The position will initially sit within the AIV Team to support integration and verification during construction but then transition to operations support.

CSIRO Value and respects differences, 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 or part-time basis. Please raise your preference in your application.

### Duties and Key Result Areas

* Assist in the deployment, configuration, and support of computing and software platforms and networking infrastructure for the SKA-Low Telescope deployed in Perth at the Science Processing Centre (SPC) at Pawsey, the Science Operations Centre (SOC) and, as needed, at the SKA Low Telescope Construction site.
* Provide technical support for the Computing and Networking Services including incident support and resolution during Integration and Verification activities.
* Support the integration and verification of the networking and computing infrastructure as part of the SKA Low System level testing.
* Work with, and support, AIV team members to identify and define hardware, software, and system level issues in the network and computing infrastructure for the system under test.
* Support and maintain asset and configuration management records for the installations.
* Contribute to the development and improvement of user guides, training documentation and troubleshooting guides.
* Facilitate procurement of network and computing components and other tools to support the installation and maintenance activities.
* Attend after hours breakdowns and working flexible hours as required.
* Work collaboratively as part of a professional regionally and internationally dispersed team.
* Communicate openly, effectively, and respectfully with all staff, clients, and suppliers in the interests of good business practice, collaboration, and enhancement of SKAO and CSIRO’s reputation.
* Adhere to the spirit and practice of both SKAO and CSIRO’s Values as well as the 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. A relevant Certificate, Diploma or equivalent training and experience in IT, Networks and Computing.
2. Ability to investigate IT and networking problems by identifying and considering the implications of a range of available alternative solutions.
3. Hands on experience in installation and maintenance of computing and network equipment and services.
4. Demonstrated commitment to safe work practices.

## **Desirable**

1. Knowledge and experience with integrating and testing equipment into systems.
2. Knowledge and/or background with IT Service Management disciplines and Frameworks such as ITIL and/or Site Reliability Engineering (SRE)
3. Experience in software programming in Python / C++ for test and automation script development.
4. Have or be willing to obtain a current Open cabling licence for WA.
5. Experience of working with system authentication, authorisation and accounting (AAA)
6. Experience in supporting the procurement, configuration and asset management of network and computing environments.
7. Experience in Linux application server administration, computer hardware, virtualisation and/or data centre infrastructure management.

## **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.
* The successful candidate will be required to undertake a pre-employment medical examination prior to commencement.

## **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