

# Position Details

## Technical Services – CSOF6

THE FOLLOWING INFORMATION IS FOR APPLICANTS	
Advertised Job Title	Technical Facilities Manager - SKA-Low Telescope
Job Reference	102581
Tenure	Indefinite - Full-time, Part-time or Job-share
Salary Range	CSOF6 - AU\$135,571 to AU\$158,863 per annum, plus 15.4% superannuation
Location(s)	Geraldton, Western Australia - FIFO or DIDO to Inyarrimanha Ilgari Bundara, the CSIRO Murchison Radio-astronomy Observatory
Relocation Assistance	Will be provided to the successful candidate if required
Applications are open to	All Candidates
Client Focus – Internal	0%
Client Focus – External	100%
Position reports to the	This position will report to the SKA-Low Head of Engineering Operations
Number of Direct Reports	6
Enquire about this job	To enquire about this job please reach out to the SKA-Low Head of Engineering Operations, Callum Jones, on <a href="mailto:callum.jones@csiro.au">callum.jones@csiro.au</a> for more information.
Support and workplace adjustments	We offer a range of reasonable supports and workplace adjustments. Please let us know via email to <a href="mailto:mark.rice@csiro.au">mark.rice@csiro.au</a> if we can help you to equitably participate in our recruitment process or the role itself.
How to apply	Apply online at <a href="https://jobs.csiro.au/">https://jobs.csiro.au/</a> Internal applicants please apply via <b>Jobs Central</b> If you experience difficulties when applying, please email <a href="mailto:careers.online@csiro.au">careers.online@csiro.au</a> 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](#).

### About CSIRO

As Australia's national science agency, CSIRO is solving the greatest challenges through innovative science and technology. Many of our iconic innovations were once considered impossible until someone, just like you, joined us and took on the challenge.

As one of the world's largest multidisciplinary mission-driven research organisations, we are focused on the issues that matter the most: for our quality of life, for the economy and for our environment. We believe

diverse teams are more effective and deliver more innovative outcomes. When we all focus on the big things that really matter, and work in partnership with our communities and [Indigenous Australia](#), Australian science and technology can solve seemingly impossible problems and create new value for all Australians. Visit [CSIRO.au](#) for more information.

## Background

The SKA Observatory (SKAO) is a global, next-generation radio astronomy facility that will revolutionise our understanding of the Universe.

The SKAO's two telescopes – SKA-Low in Western Australia and SKA-Mid in South Africa, will deliver more than half a century of transformational science for the international community. The SKA telescopes promise to have a major impact on society, in science and beyond, including developing new technologies that will deliver significant benefits to our everyday lives in years to come. By constructing and operating these advanced telescopes, the SKA Observatory will become the world leader in radio astronomy, providing unparalleled research capabilities for decades.

The SKAO is an intergovernmental organisation of 16 member and participating countries, with global headquarters in the UK. In Australia, the SKAO is partnering with CSIRO, Australia's national science agency, to construct and operate the SKA-Low telescope.

SKA-Low teams work across three sites:

- Inyarrimanha Ilgari Bundara, the CSIRO Murchison Radio-astronomy Observatory on Wajarri Yamaji Country.
- Our Engineering Operations Centre on Nhanhangardi, Naaguja, Wilynyu and Amangu Country in Geraldton.
- Our Science Operations Centre on Whadjuk Noongar Country in Perth.

Further Reading: [Explore CSIRO and the SKA-Low Telescope project](#)

## Role Overview

The Technical Facilities Manager is responsible for the planning and execution of buildings and technical facility maintenance activities at SKAO's Central Processing Facility (CPF), Remote Processing Facilities (RPF), and Central Power Station (CPS). These facilities house the core signal-processing, control, monitoring and support systems for SKA-Low. It contains major equipment including the power, cooling and other infrastructure needed to run the processing systems. The Technical Facilities Manager will also lead the facilities team, including Electricians and Heating, Ventilation, Air Conditioning (HVAC) Technicians. This role ensures the reliable operation of the SKA-Low telescope's specialised infrastructure, including but not limited to, the high and low voltage (HV/LV) electrical systems, cooled data processing equipment, HVAC systems, fire detection and suppression systems, the building management system (BMS), and the buildings themselves.

The Technical Facilities Manager plans, schedules, and supervises all maintenance activities, collaborating with contractors and in-house trades to ensure work is completed safely, efficiently, and in compliance with technical, operational, and safety standards. The role is instrumental in maintaining uptime and reliability across complex, systems that underpin the world's largest low-frequency radio astronomy observatory.

During the construction and operational readiness period, this role will require regular (up to 75%) domestic travel to Inyarrimanha Ilgari Bundara, the CSIRO Murchison Radio-astronomy Observatory on Wajarri Yamaji Country and occasionally to Perth to our Science Operations Centre on Whadjuk Noongar Country. Access to the site is by air on 9- and 19-seat charter flights or at authorised times, by road. Once in steady-state operations after the construction period finishes, the domestic travel requirement will reduce (25-50%).

CSIRO and the SKA Observatory value and respect difference, 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, part-time or job share basis. Please raise your preference in your application.

### Duties and Key Result Areas

- Plan, coordinate, and oversee planned and reactive maintenance of critical facility systems and building services.
- Develop and maintain preventative maintenance schedules and work programs for facility assets.
- Monitor system performance, assist with fault diagnosis, and coordinate corrective actions to ensure operational continuity.
- Engage, supervise, and coordinate in-house tradespeople and external contractors performing maintenance, upgrades, or inspections.
- Ensure all works are delivered safely, efficiently, and in compliance with SKAO and CSIRO and site-specific safety, quality, and environmental standards.
- Develop strategic and operational plans for the services and have significant independence of action.
- Take responsibility for effective team performance including the development of team members.
- Provide technical direction into asset management planning, including life-cycle management and refurbishment strategies.
- Collaborate with internal engineering, IT, and science teams to support operational readiness and minimise downtime of Observatory systems.
- Direct and coordinate the completion of complex technical projects and undertake development, implementation or standardisation of procedures and techniques.
- Take final responsibility for the quality of the service delivered and have considerable influence on decisions related to matters within the scope of their expertise.
- Adhere to the spirit and practice of CSIRO's and SKAO's Values, Code of Conduct, Health, Safety and Environment procedures and policy and diversity initiatives.
- 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.
- Other reasonable duties as directed.

### Selection Criteria

#### Pre-requisite

This is predominantly a site-based role, and therefore, requires the ability to travel to, and work from, the SKA Low Telescope Site at Inyarrimanha Ilgari Bundara, the CSIRO Murchison Radio-Astronomy Observatory.

#### Essential

*Under CSIRO policy only those who are able to demonstrate how they can meet the essential criteria may be appointed.*

1. **Relevant technical qualifications:** A trade certificate, diploma or bachelor's degree (or equivalent experience) in electrical, mechanical, or related building services fields, with demonstrated cross-trade competency.
2. **Demonstrated expertise in critical building services:** Proven experience managing Australian HV/LV electrical systems, HVAC, industrial chillers, fire protection systems, and general building services maintenance, including the ability to develop and interpret technical documentation.
3. **Proven capability in contractor and maintenance coordination:** Experience overseeing contractors and technical service delivery across large, complex, or critical facilities such as data centres, hospitals, or industrial sites.
4. **Strong safety, compliance, and operational discipline:** Ability to plan and deliver work safely, efficiently, and in accordance with relevant legislation, standards, and organisational procedures.

5. **Effective leadership and communication skills:** Well-developed interpersonal skills with demonstrated ability to lead and develop staff, build strong working relationships, and foster an inclusive, high-performance team culture.

### Desirable

1. **Experience working in remote or regional environments**, including the ability to operate effectively with limited on-site support.
2. **Familiarity with computerised maintenance management systems (CMMS)** or asset management software for planning, tracking, and reporting maintenance activities.
3. **Relevant technical certifications**, such as HV switching accreditation, restricted electrical licence, refrigerant handling licence, or the ability to obtain these qualifications.
4. **Understanding of procurement and contract processes**, including preparing technical specifications and supporting tender evaluations.

### Not sure if you need all the criteria?

While it is CSIRO policy that the successful candidate must meet all the essential criteria, there are many ways to demonstrate this. Don't let the list discourage you. If you are unsure about applying, please reach out to the contact on page 1 of this document so we can discuss the role further.

### 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:** Provides leadership that fosters an environment that encourages new ideas and provides support for the development of emerging skills. Creates trust by displaying consistency, understanding, integrity and patience. Plans, seeks, allocates and monitors resources to achieve outcomes.
- **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.

### Setting you up for success

We understand that not everyone works in the same way and sometimes people may require reasonable support and adjustments to perform at their best. Whether related to the recruitment process and or the role itself, this may include options such as providing different methods of communication, flexible hours or physical adjustments to work methods. If you feel comfortable, we encourage you to share any support and adjustments you may need to carry out the inherent requirements of the role. Please let us know via email [mark.rice@csiro.au](mailto:mark.rice@csiro.au) if we can help you to equitably participate in our recruitment process or the role itself.

### Life at CSIRO and flexible working arrangements

We [work flexibly at CSIRO](#), offering a range of options for how, when and where you work. We can discuss flexible work arrangements with you during the recruitment process. CSIRO also offers a range of leave entitlements, [benefits](#) and [career development](#) opportunities. To learn more, visit [Careers at CSIRO](#).

We celebrate the uniqueness of our workforce and are committed to creating [diverse and inclusive teams](#) where everyone feels they belong. CSIRO is an equal employment opportunity organisation dedicated to recruiting people based on merit, and reflecting the diversity of the community we serve. We recognise true diversity encompasses all ages, nationalities, abilities, cultures, genders, sexualities, faiths, levels of education, diversity of thought and many more aspects of identity. By empowering diverse teams, our community is reflected in the solutions we create.

**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.
- Due to the specific duties and/or conditions associated with this role, the preferred candidate will be required to undergo a pre-employment medical examination. A medical condition or physical disability will not impact eligibility unless it poses a health and safety risk or impacts the ability to perform the essential requirements of the role.

**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](#).

**CSIRO and SKAO Values**

Visit [CSIRO Online](#) and [Space and Astronomy](#) and [SKAO online](#) and [SKAO Location](#) for more information. In your application and at interview you will need to demonstrate behaviours aligned to our values of:

CSIRO	SKA Observatory
<ul style="list-style-type: none"> <li>• People First</li> <li>• Further Together</li> <li>• Making it Real</li> <li>• Trusted</li> </ul>	<ul style="list-style-type: none"> <li>• Diversity and Inclusion</li> <li>• Excellence</li> <li>• Collaboration</li> <li>• Creativity and Innovation</li> <li>• Sustainability and Safety</li> </ul>