**Role summary for potential applicants**

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| Advertised Job Title**:** | Senior Electrical Technician  |
| Reference Number**:** | 57970 |
| Classification**:** | NON CSOF – SCT 3.1 – 3.4 |
| Salary Range: | AUD$91,030 to AUD$98,595 plus allowances and superannuation |
| Location**:** | Canberra Deep Space Communications Complex |
| Tenure: | Indefinite  |
| Relocation assistance**:** | Will be provided to the successful candidate if required. |
| Applications are open to: | Australian Citizens Only |
| Functional Area**:** | Maintenance & Facilities (Electrical &HVAC)  |
| % Client Focus - Internal: | 50% |
| % Client Focus - External: | 50% |
| Reports to the: | Facilities Team Leader |

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| **Role Overview:** |
| The **Canberra Deep Space Communication Complex (CDSCC)** hosts the ground-based facilities needed to support continuous spacecraft telecommunications as part of NASA’s **Deep Space Network (DSN)**. For more information on CDSCC, please visit: <http://www.cdscc.nasa.gov>**The** **Maintenance Facilities Section (MF)** provides the technical expertise and engineering management services required to operate and maintain the wide range of technologies used in the radio antenna's and support infrastructure located at CDSCC. Maintenance & Facilities may also undertake engineering development work in support of new capabilities. The **Facilities Team** maintains and operates site facilities including electrical, heating, ventilation and air conditioning (HVAC), water and sewerage, landscaping and gardening, building and minor works and vehicle fleet and some site plant. **The Role:** Under limited direction from the Facilities Team Leader, the Senior Electrical Technician performs installation works, supervises and mentors apprentices, performs routine maintenance tasks, modifications and fault repair of complex antenna and building power systems. The Senior Electrical Technician has varying levels of responsibilities, determined in consultation with the MF Manager, across these areas:* Supervision of Apprentices and perform maintenance tasks
* Facilities project and contractor management support
* Specialist support in power and HVAC systems
* Maintenance and technical planning.
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| **Duties and Key Result Areas:** |
| **MAINTENANCE AND INSTALLATION ACTIVITIES** * Perform maintenance and fault repair on power and HVAC systems:
	+ supervise and mentor apprentices
	+ perform fault diagnosis of complex systems and installation/commissioning of Complex systems
	+ supervision of external contractors on site
	+ respond to faults, complaints and incident reports
	+ Liaising with internal and external customers and staff.
	+ Operating LV and HV switchgear
	+ Maintenance and repairs to LV and HV switchgear
* Use established reporting tools and procedures to provide reports, as requested to MF Manager.
* Effective communication, both oral and written, on technical and non-technical matters at team and individual levels across the Complex.

**FACILITIES PROJECT AND CONTRACTOR MANAGEMENT SUPPORT*** Provide support for project and configuration management, including:
	+ supervise contract staff on site on specific project tasks
	+ arrange and provide costings, quotes and orders for minor projects.

**SPECIALIST SUPPORT IN POWER AND HVAC SYSTEMS** * Provide specialist assistance on technical matters, including:
	+ power generation and distribution systems
	+ HVAC Systems
	+ BMS, SCADA and PLC systems
	+ participate in installation work
	+ assist in development of technical standards where necessary.
	+ UPS

**MAINTENANCE AND TECHNICAL PLANNING*** Assist in maintenance and technical planning in the Electrical group and the Complex as a whole by:
	+ participate in design and downtime readiness reviews and acceptance testing at JPL, GDSCC and MDSCC
	+ participate in and provide support for performance testing, data capture and analysis to assist with JPL development work and anomaly resolution
	+ providing local support and facilitate the coordination, implementation and testing of JPL engineered solutions
	+ technology assessment and practical evaluation, contributing to specification preparation for future enhancements and planning for future upgrades
	+ use Reliability Centre Maintenance (RCM) and Computerised Maintenance and Management System (CMMS) based tools to maintain and improve where possible maintenance efficiencies and reliability of systems
	+ Participate in planning meetings, scheduling tasks and allocating task priorities.

**LIAISON WITH INTERNAL AND EXTERNAL CLIENTS*** Communicate 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 with colleagues within your team and across the DSN to reach objectives.

Other duties as required. |

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| **Selection Criteria:** |
| *Under CSIRO policy only those who meet all essential criteria can be appointed****Pre-Requisites:**** **Education/Qualifications**: Electrical trade Certificate, or higher qualification.
* **Other Certifications:**  Current Driver’s License, Working at Heights and Confined Spaces training, Asbestos Awareness training, Construction White Card.
* **Special requirements:** Ability and willingness to work at heights and within confined spaces

**Essential Criteria:** 1. A minimum of 5 years recent experience working in an industrial type maintenance and operations environment as an Electrician.
2. Competency withPC based applications including MS Office suite.
3. Excellent communication skills, both written and oral, including the ability to anticipate the interests and knowledge level of an audience and present information and feedback accordingly.
4. Demonstrated ability to effectively manage a number of competing priorities simultaneously, and carry out non-routine tasks under broad direction from supervisor.
5. High Voltage Electrical training (or willingness to attain).

**Desirable Criteria:**1. Experience in BMS, PLC and SCADA systems and in HVAC system maintenance.
2. A higher qualifications in an electrical or HVAC discipline.
3. Experience with UPS installations and maintenance.

**CSIRO is a values based organisation. You will need to demonstrate behaviours aligned to our values of:*** Integrity of Excellent Science
* Trust & Respect
* Creative Spirit
* Delivering on Commitments
* Health, Safety & Sustainability
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| **Other Information:** |
| **How to Apply**Please apply for this position online at [www.csiro.au/careers](http://www.csiro.au/careers). You may be asked to provide additional information (online) relevant to the selection criteria. If so, then responding will enhance your application so please take the time to provide relevant succinct answers. Applicants who do not provide the information when requested may not be considered.If you experience difficulties applying online call 1300 984 220 and someone will be able to assist you. Outside business hours please email: csiro-careers@csiro.au**Referees**: If you do not already have the names and contact details of two previous supervisors or academic/ professional referees included in your resume/CV please add these before uploading your CV.**Contact:** If after reading the selection documentation you require further information please contact: Damon Craig 02 62017872.**About CSIRO**The **Commonwealth Scientific and Industrial Research Organisation (CSIRO)** is Australia's national science agency and one of the largest and most diverse research agencies in the world.  We offer excellent career development, professional support, and the opportunity to work with science leaders.  CSIRO's purpose is to deliver great science and innovative solutions for industry, society and the environment by igniting the creative spirit of our people. For more information on CSIRO, please visit: <http://www.csiro.au>The **CSIRO Astronomy and Space Science (CASS)** division provides facilities for scientists from Australia and around the world to explore our solar system and beyond. These facilities include the Australian Telescope National Facility (ATNF), which supports radio astronomy by operating radio telescopes at three observatories across NSW and the Canberra Deep Space Communication Complex (CDSCC). For more information on CASS, please visit: <http://www.csiro.au/org/CASS.html>  |