# Position Details

## Technical Services- CSOF3

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| The following information is for applicants |
| Advertised Job Title | Electrical Tradesperson |
| Job Reference | 64163 |
| Tenure | IndefiniteFull-time |
| Salary Range | AU$63,594 to AU$80,937 pa (pro-rata for part-time) + up to 15.4% superannuation |
| Location(s) | Australian Animal Health Laboratory (AAHL), Geelong, VIC |
| Relocation Assistance | Will be provided to the successful candidate if required |
| Applications are open to | Australian Citizens Only |
| Position reports to the | Facilities Co-ordinator (Electrical/Instrumentation) |
| Client Focus – Internal | 100% |
| Client Focus – External | 0% |
| Number of Direct Reports | 0 |
| Enquire about this job | Byron Sharrock via email at Byron.Sharrock@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 or call 1300 984 220. |

### Role Overview

The role of Technical Staff in CSIRO is to provide support for scientific research in a diverse range of laboratory and field situations across a range of different research projects. This support consists of the application of accepted technical practices and the development of new practices. The work is usually carried out as a member of a centralised service. At senior levels staff may be involved in management of a facility or service and negotiations with external clients/industry.

The role of the Electrical Tradesperson will, at the direction of the Facilities Co-ordinator (Electrical/Instrumentation), carry out Electrical and/or Instrumentation maintenance and repair activities to achieve a responsive, reliable and cost-effective service. The suitable candidate’s prior experience in the operation and maintenance of large scale commercial or industrial building Electrical/Instrument systems would be desirable.

This role shall involve out-of-hours and call-out responsibilities covering the Australian Animal Health Laboratory (AAHL) region and require the physical ability to be able to access all areas in the site.

### Duties and Key Result Areas:

* Working as part of a specialised team reporting to the Electrical/Instrumentation Supervisor, perform allocated preventative and corrective maintenance and attend to breakdown requirements of Power Generation, High Voltage and Low Voltage distribution systems, lighting, plant control, building and process services.
* Manage individual tasks in terms of client liaison, material procurement and labour management with the aim being to deliver a quality maintenance service.
* Comply with CSIRO policies and procedures relevant to the conduct of electrical, instrument and control systems maintenance, repair and calibration activities.
* Provision of miscellaneous site support activities such as moving and installation of equipment.
* Ensure the implementation of a safe working environment and safety policies and procedures.
* Provide input to updating records for statutory maintenance requirements, site records, facility drawings plus operating and maintenance manuals.
* Ensure all work activities are captured and recorded in the Computerized Maintenance Management System (CMMS), all necessary data is entered and that all material and labour effort expended on tasks are recorded.
* Participate in the after-hours “on call” roster to provide a 24/7 emergency response for the site.
* 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 as part of a multi-disciplinary, often regionally dispersed team, to carry out tasks under limited direction in support of scientific research.
* Work collaboratively with colleagues within your team, the business unit and across CSIRO, to reach objectives.
* Allocate activities, direct tasks and manage resources to meet objectives.
* Foster open communication, provide coaching and on-the-job training to support staff and colleagues, as required, and provide recognition and acknowledgement for staff achievements.
* 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 and work across all areas in the AAHL Region as directed by the Executive Manager – CBIS AAHL or their delegate.

## **Required Competencies:**

* **Teamwork and Collaboration:** Proactively seeks and considers the ideas and opinions of others from within and outside the team to help form decisions, plans or actions.
* **Influence and Communication:** Puts forward ideas by presenting factual information supported by data, definitions, examples, illustrations or other aids, which will assist in conveying meaning.
* **Resource Management/Leadership:** Provides instruction and assists other staff to complete allocated tasks and activities.
* **Judgement and Problem Solving:** Identifies and considers the implications of a range of available alternatives in order to select the most appropriate response to problems of a familiar or recurring nature.
* **Independence:** Recognise and makes immediate changes to improve performance (faster, better, lower cost, more efficiently, better quality, improved client satisfaction).
* **Adaptability:**Willingness to change ideas or perceptions based on new information, contrary evidence or other people's points of view. Prepared to try out different approaches.

## **Selection Criteria**

#### Essential

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

1. Relevant Electrical trade certificate
2. Significant experience on process control and or electrical systems.
3. Demonstrated maintenance experience in a heavy industrial, process industry, building services, or manufacturing plant environment in either:

Plant electrical systems, including Power Generation, High Voltage and Low Voltage power distribution, motor control systems, general light and power circuits

**and/or**

Plant instrumentation including calibration of pressure, temperature, flow and process controls.

1. Demonstrated experience in diagnosing and resolving problems on process control and or electrical systems listed above
2. Competence to accurately interpret control system and electrical schematics, engineering drawings, operating and maintenance manuals.
3. Excellent written and verbal communication skills including demonstrated experience to effectively work as part of a team.
4. A demonstrated commitment to OHS&E, safe working practices, including Lock out - Tag out and permit systems.

## **Desirable:**

1. A Dual Trade Qualification (Electrical/Instrumentation) or single trade qualification with demonstrated experience in the alternate trade.
2. Possession of High Voltage Operators License.
3. Demonstrable understanding of and experience with SCADA or similar plant control systems, programmable logic controllers (PLC) and variable speed drives (VSD).

Special Requirements

Appointment to this role may be subject to conditions including provision of a national police check as well as other security/medical/character clearance requirements.

* The successful candidate will be required to obtain and maintain a security clearance at the Negative Vetting 1 level.
* The successful candidate will be required to undertake a pre-employment medical and audio examination prior to commencement.
* AAHL - Security Assessment and Microbiological Security Requirements for Personnel Working on the Australian Animal Health Laboratory (AAHL) Site.
* Possess a current driver’s, reside within 45 minutes travelling time to AAHL and be willing to participate in an on-call roster.
* Be willing and able to be vaccinated against rabies, hepatitis B, Japanese encephalitis or other agents.

**Security Assessment and Microbiological Security Requirements for Personnel Working on the AAHL Site.**

* The nature of our work requires that each person working on site must comply with the conditions described below.
* The appointee is required to pass a security clearance at a level appropriate to duties of the position. Confirmation of the appointment is subject to obtaining that clearance.
* It is essential that all work on exotic or emerging diseases carried out at AAHL is conducted in a safe manner to prevent the escape of the disease agents used, and to this end, all activities and personnel will be subject to appropriate microbiological security measures. Consequently, while working at AAHL, you may not reside on a property on which are kept any of the following animals: sheep, cattle, pigs, goats, horses, asses and mules, any other cloven-hoofed animal, fowls, turkeys, geese, domestic ducks, caged birds, emus or ostriches. Personnel working with diseases of aquatic animals may not keep aquarium fish at their place of residence and personnel working with cane toad material must avoid contact with amphibians.
* In addition, for a period of seven days after working in the microbiologically secure area of AAHL, personnel may not have close contact with any of the above animals, amphibians or birds or the actual places where these animals are held or visit any aquatic animal farm or aquatic animal hatchery.
* Working in the barrier maintained Small Animal Facility requires avoidance of additional animals such as mice, rats, guinea pigs, rabbits and poultry 3 days prior to arrival.
* It is usual practice in laboratories where work with infectious disease agents is carried out, to collect a blood sample from personnel and store serum for future reference. This is a safety precaution, so that if any person becomes ill in the future, serum samples are available for testing.
* Personnel must abide by Occupational Health, Safety and Environment regulations. Safety signs and directives issued by CSIRO personnel must be complied with at all times.

## **About CSIRO:**

We solve the greatest challenges through innovative science and technology. To find out more visit us [online](http://www.csiro.au/)!

**CSIRO Australian Animal Health Laboratory**

The CSIRO Australian Animal Health Laboratory (AAHL) has a national and regional role in the diagnosis and research of emergency (exotic, emerging and serious) and zoonotic diseases of animals. This responsibility extends to provision of ongoing analysis of outbreaks, monitoring and characterization of the virus strain variation, and assisting in the establishment of disease freedom. To achieve and sustain diagnostic excellence the Diagnostic function is underpinned by related research efforts. The disciplines involved in this work include experimental and diagnostic pathology, virology, serology, electron microscopy, immunology, genomics and molecular biology, all of which may be undertaken under stringent microbiological security conditions.

Access to both BSL3 and BSL4 containment facilities supports investigations utilizing live viruses, including serious zoonotic agents, in both cell and whole animal systems. The laboratory has an enviable track record in scientific research related to emerging infectious diseases and outputs from these activities contribute data to CSIRO’s area of focus around biosecurity within the National Innovation System.

**CSIRO Business & Infrastructure Services (CBIS)**

CSIRO has a complex property portfolio of owned and leased facilities that comprises over 1,000 buildings spread across over 55 locations within Australia. These scientific and research facilities are diverse both in location and type.

CSIRO Business & Infrastructure Services (CBIS) is chartered with managing the services, maintenance and operation of all CSIRO's scientific and research facilities.

CBIS delivers its services through its Enterprise functions, which incorporates strategic, capital and estate issues; while the CBIS teams within each region deliver the operational property services. CBIS's strategy and operational activities align with CSIRO's strategic direction and scientific activities.