# Position Details

## Technical Services- CSOF4

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| The following information is for applicants |
| Advertised Job Title | Marine Instrumentation Technical Officer |
| Job Reference | 96280 |
| Tenure | Specified term of 3 years |
| Salary Range | AU$96,811 – AU$109,527 per annum plus up to 15.4% superannuation |
| Location(s) | Hobart, Tasmania |
| 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 | Team Leader, Marine Instrumentation Team |
| Client Focus – Internal | 60 |
| Client Focus – External | 40 |
| Number of Direct Reports | 0 |
| Enquire about this job | Contact Rob Gregor via email at rob.gregor@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. |

**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

The Marine Instrumentation Team is responsible for designing, building, maintaining and operating a wide variety of Marine Science Systems supporting diverse set of marine research projects. This includes underwater sensor arrays, towed camera systems, deep-water acoustic platforms, remotely operated vehicles and autonomous underwater vehicles. The Marine Instrumentation Technical Officer will provide technical, operational and maintenance support for installation, acceptance testing, commissioning, deployment, fault-finding and repairs to these systems. The role will require the ability to travel interstate and occasionally overseas, and work at sea on a range of vessels including small boats, fishing vessels and large research vessels.

### Duties and Key Result Areas

* Build, service, repair, and operate electronic equipment, platforms and instrumentation.
* Development, procurement, configuration, deployment and recovery of marine electronics and instrumentation systems.
* Document procedures and maintain equipment records.
* Be a proponent of safe work practices including contribution to safety systems. Conduct risk assessments and develop safe work instructions and plan methods to undertake novel research techniques in a safe way.
* Liaise with clients to determine their needs and take personal responsibility for their satisfaction, correct problems promptly and in a constructive manner.
* Participate in the planning of projects and accept responsibility for making significant contributions to design and implementation.
* 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 technical team to carry out tasks in support of CSIRO scientific objectives.
* Adhere to the spirit and practice of CSIRO’s Values, Code of Conduct, Health, Safety and Environment procedures and policy and diversity initiatives.
* Other duties as directed.

## **Selection Criteria**

#### Essential

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

1. A relevant Electronics Degree, Diploma or Trades Certificate or equivalent training and experience in electronic engineering or as an instrument or electronics technician operating at a high level.
2. Demonstrated experience in independently and systematically identifying, diagnosing and resolving problems on complex electronic systems and having aptitude for advancing system knowledge.
3. Demonstrated mechanical aptitude with ability to undertake fabrication, repairs and maintenance using hand tools and/or machinery.
4. Ability to communicate in a fluent, courteous and respectful manner, both orally and in writing, and ability to produce documentation and reports using standard office packages.
5. Competence to accurately interpret system drawings and schematics, engineering drawings, third party operating and maintenance manuals.
6. Demonstrated commitment to safe work practices, environmental sustainability and the principles of equity and diversity.
7. Willing and able to travel to other sites (locally, nationally, at sea) to assist with the installation, testing , operation, deployment, recovery or maintenance of equipment.

## **Desirable**

1. Ability to carry out software development or maintenance using common development languages such as Python, C/C++, Labview, etc.
2. Demonstrated understanding of design packages, for electronic circuit and PCB design; and/or CAD design drawing packages.

## **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 conditions including:

* The successful candidate will undertake a pre-employment background check. Individuals with criminal records are not automatically deemed ineligible. Each application will be considered on its merits.
* The successful candidate will be required to work at sea on a range of vessels, occasionally for periods of up to a month.
* The successful candidate will be required to undertake a pre-employment medical examination prior to commencement, to ensure medical fitness for remote deployment on vessels when necessary.
* The successful candidate will be required to work flexible hours when required.
* The successful candidate will be required travel locally, nationally and occasionally internationally

## **About CSIRO**

We solve the greatest challenges through innovative science and technology. Visit [CSIRO Online](http://www.csiro.au/) and [Engineering and technology - CSIRO](https://www.csiro.au/en/research/natural-environment/oceans/Engineering-Technology) 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