# Position Details

## Research Projects- CSOF5

|  |
| --- |
| The following information is for applicants |
| Advertised Job Title | NCTS Test specialist |
| Job Reference | 87034 |
| Tenure | 2 years, Full-time |
| Salary Range | AU$102k to AU$111k pa (pro-rata for part-time) + up to 15.4% superannuation |
| Location(s) | Brisbane, Qld |
| Relocation Assistance | Will be provided to the successful candidate if required |
| Applications are open to | Australian/New Zealand Citizens and Australian Permanent Residents Only |
| Position reports to the | NCTS Tooling Lead |
| Client Focus – Internal | 90% |
| Client Focus – External | 10% |
| Number of Direct Reports | 0 |
| Enquire about this job | Dion McMurtrie – Dion.McMurtrie@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 Australian e-Health Research Centre (AEHRC) is CSIRO’s national digital health research program. We’re championing the digital delivery of healthcare enabled by ​world-leading digital research and innovation​, industry partnerships, community connections​, and national trust. We’re a dedicated and committed team, passionate about transforming the health of Australians. You’ll find some of our health and biomedical informatics research:

### Delivered through virtual care to monitor health remotely;

### Informing evidence-based digital health solutions; or

### Transforming the efficiency of hospital and health systems – nationally and internationally.

### With over 100 scientists and engineers across Brisbane, Sydney, Melbourne, Canberra and Perth, the AEHRC is Australia’s largest digital health research program.

### The unparalleled demands of COVID-19 have been a catalyst for increased focus on digitisation and innovation in health. CSIRO, via the AEHRC, is leading a national agenda focused on innovation to foster continued transformation and sustainable healthcare delivery practices. We're hiring a number of talented researchers and leaders to contribute to this significant objective.

The National Clinical Terminology Service (NCTS) Test Specialist will join the Health Informatics Group in the AEHRC. The position will involve working closely with the AEHRC team, along with other collaborators and stakeholders in the creation of controlled medical terminology, and associated clinical terminology tools. The successful candidate will support the team by providing software and terminology product test planning, analysis, automation and execution, spanning the end-to-end terminology development and release pipeline to ensure adequate terminology release quality.

To be successful in this role you will have expertise in quality processes and assurance as well as formal testing disciplines for production systems such as test planning, analysis, automation and execution. Knowledge and experience with clinical terminology particularly SNOMED CT and AMT would be advantageous.

This is a great opportunity for the successful candidate to work with other innovative researchers in a leading government organisation which is engaged in world class scientific research projects, and offers excellent career development and professional support. CSIRO is strongly committed to Diversity and offers Flexible Working Arrangements. The successful candidate will have a unique opportunity to translate their research into practice with impact on both Australian and international e-Health programmes.

### Duties and Key Result Areas

**As part of a dynamic and flexible team, the Test Specialist role will:**

* Work with CSIRO researchers, terminologists, and software engineers to plan quality assurance for terminology and software development.
* Produce and maintain test strategies and test plans for terminology and software products the team produce.
* Provide best-practice recommendations on test tooling solutions, appropriate for existing and future products.
* Establish and maintain appropriate test infrastructure to support test strategies.
* Analyse and design tests suites and test cases alongside development of new terminology and software products and features.
* Plan and design appropriate risk based release regression suites for terminology and software products.
* Work with the team to automate tests, where possible and practical, and maintain test automation.
* Work with the team to execute any manual tests and collate test results.
* Adhere to, promote and encourage the spirit and practice of CSIRO’s Values, Health, Safety and Environment plans and policies, Diversity initiatives, and Zero Harm goals.
* Other duties as directed.

## **Selection Criteria**

#### Essential

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

1. Formal qualifications in engineering, information technology, computer science, or testing and quality assurance.
2. Solid experience working in senior formal testing roles for production software and/or terminology products.
3. Keen understanding of best practises in software quality frameworks, processes, and lifecycle.
4. Ability and willingness to learn and adapt to changing technologies, roles, and responsibilities.
5. Experience with testing in an Agile development methodology.
6. Able to be flexible in responding to change or when faced with external constraints, including the ability to identify and promote opportunities arising as a result of the change.

## **Desirable**

1. Experience and understanding of prominent clinical vocabularies and health information models such as FHIR, SNOMED, AMT, LOINC, ICD and their design principles, structures and their use cases.
2. Understanding of data standards and clinical terminology implementations in Australia, the barriers and opportunities of existing and future implementations.
3. Understanding of the science underpinning data interoperability in healthcare, particularly in medicines management in hospital and community from prescribing, dispensing, administration and supply chain.
4. Evidence of contribution to the field of Medical Informatics through application development, publications, or presentations.
5. Experience, knowledge and understanding of project management, quality improvement, change management and/ or evaluation in the health setting.

## **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:** 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:** Sets up and maintains effective and efficient work teams and manages performance and resources, to achieve objectives. Chooses appropriate management strategies and communication styles to maintain high levels of motivation and productivity. Gives feedback for development purposes and provides support and direction for improvement.
* **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:** Plans, sets and works to meet challenging standards and goals for self and/or others. Recognises where endeavours will make the most impact or difference, decides on desired outcome and sets realistic goals to reach this target.
* **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 may be subject to conditions including provision of a national police check as well as other security/medical/character clearance requirements.

## **About CSIRO**

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

CSIRO is a values-based organisation.  In your application and at interview you will need to demonstrate behaviours aligned to our values of:

* 1. People First
	2. Further Together
	3. Making it Real
	4. Trusted

Find out more about CSIRO [Health and Biosecurity](https://www.csiro.au/en/Research/BF)