# Senior Electronic Controls Technician

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| Advertised Job Title**:** | Senior Electronic Controls Technician |
| Reference Number**:** | 58138 |
| Classification**:** | CSOF 5 |
| Salary Range: | AU $95,369 to AU $103,205 plus up to 15.4% superannuation |
| Location**:** | New Norcia Ground Station, Western Australia |
| Tenure: | Indefinite |
| Relocation Assistance**:** | Will be provided to the successful candidate if required. |
| Applications Are Open To: | Australian Citizens and Permanent Residents |
| Functional Area**:** | Technical Services  |
| Reports To: | M+O Manager |
| Number of Direct Reports: | TBA |

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| **Role Overview:** |
| The New Norcia Ground Station supports ground-based spacecraft telecommunications as part of the European Space Agency’s Tracking Stations Network (ESTRACK), under proposed contractual arrangements between ESA and Commonwealth Scientific Industrial Research Organisation (CSIRO). Under limited direction, the Senior Electronic Controls Technician (a controls equipment maintenance and control systems specialist), performs routine maintenance activities, manages designated minor upgrade projects, contractors and installation works, performs diagnostics/fault repair of antenna servo and control systems and provides back up technical support to building, power and facilities controls for support services. Specific areas of responsibility include performing or organising controls maintenance activities on antennas, primary specialist support in antenna servo systems and back up support for other site control systems, routine and corrective maintenance and technical planning and provision of minor project and contractor management. |

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| **Duties and Key Result Areas:** |
| * 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 autonomously in support of scientific research.
* Perform maintenance and installation activities, to ESA or manufacturers’ specifications, including:
	+ *Commissioning, upgrading, testing, calibration and repair of equipment and subsystems that are part of the electronic and servo control interface systems, to ESA or manufacturers’ specifications.*
	+ *Installation of new and upgraded operational software.*
	+ *Operational software programme maintenance and system administration in a secure networked computer environment.*
	+ *Transfer hardware and software to operations for use.*
* Diagnostics and repair of discrete analogue and digital components.
* Respond to faults, investigations and incident reports.
* Facilitate, assist or advise ESA in the development of local solutions.
* Provide mentoring to junior Electronic Systems technicians.
* Assist and advise in the management of system drawings and schematics to reflect as-installed configurations.
* Provide out of hours emergency support via telephone analysis where possible and attend on-site for diagnostics and repairs where necessary.
* Use established reporting tools and procedures to provide comprehensive reports.
* Provide local support and facilitate the coordination, implementation and testing of ESA engineered solutions.
* Provide specialist assistance on technical systems, including:
	+ *Antenna control systems, antenna monitoring systems and antenna drive systems.*
	+ *Provide back-up technical support to site Senior Electrical Mechanical Technician on facilities controls systems including power system PLC’s, and for electrical safety matters, including HV training*
	+ *Technology assessment and practical evaluation, contributing to specification preparation for future enhancements and planning for future upgrades.*
* Participate in and provide support for performance testing, data capture and analysis to assist with ESA development work and anomaly resolution.
* Maintenance and technical planning, including:
	+ *Provide local support and facilitate the coordination, implementation and testing of ESA engineered solutions.*
	+ *Use 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.*
	+ *Maintain appropriate recordkeeping and other tools for version control of hardware/software in use in the systems.*
	+ *Update ESA maintenance databases.*
* Perform maintenance and installation activities while working at height or within confined spaces
* Adhere to 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.
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| **Selection Criteria:** |
| ***Pre-Requisites:***1. **Education/Qualifications:** Electrical Trade Certificate plusDiploma in Electronics with 7 years plus relevant electronic controls experience including fault finding/diagnostics.
2. **Other Certifications:** WA Driver’s License, Elevated Work Platform, Construction White Card (or WA equivalent), WA electrical licence holder.

*Please note: Under CSIRO policy only those who meet all essential criteria can be appointed****Essential Criteria:***1. Demonstrated experience in basic operating systems administration skills – Windows, MS-DOS and UNIX.
2. Experience with diagnosing and repairing analogue and digital control equipment.
3. Competency withPC based applications including MS Office suite.
4. The ability to work effectively as part of a multi-disciplinary, regionally dispersed team, and carry out tasks autonomously.
5. 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.
6. Demonstrated ability to effectively manage a number of competing priorities simultaneously, and carry out non-routine tasks under broad direction from relevant technical staff.

**Desirable Criteria:**1. Experience in AutoCAD and Microsoft Project.
2. Static Electricity Awareness.
3. Structured cabling – open license, Hand Soldering (IPC).
4. Willingness to undertake HV switching and safety training, and powerhouse training.

**Special Requirements:** Appointment to this role may be subject to conditions including security/medical/character clearance requirements. You must also be willing and able to:1. Work to a call out roster for all technical staff to provide out of hours coverage for critical equipment failures.
2. Support pre planned out of hours critical tracking events.
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| **Other Information:** |
| **To express your interest:** Please go to <https://jobs@csiro.au> and enter reference 58138 and click **Apply**. First create a profile, then upload your resume and cover letter. In your cover letter please tell us how your skills, knowledge and experience meet the selection criteria.If after reading the Position Description you require further information please contact Lesley Kliska at lesley.kliska@csiro.au. Please note: applications sent to Mrs Kliska may not be considered.If you experience difficulties applying online please call 1300 984 220 for assistance or email:   csiro-careers@csiro.au. *We work flexibly at CSIRO, offering a range of options for how, when and where you work. Talk to us about how this role could be flexible for you.* *Find out more!*[*CSIRO Balance*](https://www.csiro.au/en/Careers/A-great-place-to-work/Work-life-balance)**About CSIRO**At CSIRO, we do the extraordinary every day. We innovate for tomorrow and help improve today - for our customers, all Australians and the world.We imagine. We collaborate. We innovate. |