Australian Government
Department of Climate Change, Energy, the Environment and Water
Australian Antarctic Division

AUSTRALIAN
ANTARCTIC
PROGRAM

Expeditioner Band 2.5 (APS 6) – Telecommunications Officer – Networks

Classification	Expeditioner Band 2.5 (APS 6) - $102,380 pa
Total Remuneration	$172,917 pa (When in Antarctica/sub-Antarctic, inclusive of Antarctic Allowances)
Division	Australian Antarctic Division
Branch	Enabling Services
Section	ICT Station Support
Location	Kingston, Tasmania and Antarctic/sub-Antarctic deployment
Employment Status	Non-Ongoing (temporary)
Hours	Full-time (37.5 hours per week)
Security Clearance	Baseline Vetting

WHO WE ARE – Australian Antarctic Division (AAD)

The AAD is part of the Commonwealth Department of Climate Change, Energy, the Environment and Water (DCCEEW). As primary agency for Australia's Antarctic Program (AAP), the AAD is responsible for achieving the Australian Government's Antarctic goals to:

- maintain the Antarctic Treaty System and enhance Australia's influence within it
- protect the Antarctic environment
- understand the role of Antarctica in the global climate system
- undertake scientific work of practical, economic and national significance.

THE JOB

As a Telecommunications Officer – Networks (TON) you will be responsible for the daily management of station networks and infrastructure, supporting station operations and safety. You will provide routine maintenance, undertake repairs and upgrades to communications equipment. You may install or assist with the installation of complex telecommunications systems.

TONs are employed in winter roles at Casey, Davis, Mawson and Macquarie Island. Summer or shorter winter jobs may become available.

TONs will work closely with Telecommunications Officer – Radio (TOR) whilst on station, with both positions expected to act in a leadership role, reporting to Kingston head office and Station staff. The TON and TOR will also be responsible for the supervision of the Information Technical Officers (ITO)

whilst on station, supporting workloads and tasks in accordance with technical and operational priorities.

You should apply for this role if you have the appropriate knowledge, skills and experience and an interest in the challenge of living and working in a small community in a remote environment. Applicants will be assessed and if successful placed in a role for training and deployment, or a merit pool that will be used for future seasons.

Key duties will include, but are not limited to:

- Manage, maintain, repair and replace network communications devices in a complex environment.
- Assist the Remote and DCCEEW ICT staff in supporting IT Networks, Infrastructure and communications equipment on station.
- Maintain miscellaneous electronic office and amenities facilities, including audio-visual equipment, possibly to component level.
- Provide network support to science programs, including Geoscience Australia, Australian Radiation Protection and Nuclear Safety Agency and other projects/agencies as required.
- Provide support to the TOR in maintaining VHF radio systems, various satellite systems – VSAT, MSS, and fixed ground stations, network equipment including fibre optic cabling, and structured cabling.
- Provide support in maintenance of antennas and associated cabling/feeder systems. This may include climbing masts up to maintain antennas systems. Training will be provided before departing for Antarctica.
- Undertake regular reporting to Remote IT, DCCEEW ICT and station leadership on communications matters.
- Provide supervision and oversight to the ITO.
- Be prepared to operate radio equipment for communication with field parties, aircraft, ships and small watercraft.
- Demonstrate sensitivity for privacy and security requirements at all times.

WHAT WE ARE LOOKING FOR - ESSENTIAL

Required Identification/Qualification/Licence/Ticket	When you need to provide evidence	
	Provide copy with application	obtained prior to job commencement
Cert III in Electronics and Communications (UEE30920) or comparable qualification	✓	
Certificate of Competency in Perform Inspection (MEM15004B or PUAEQU001)	✓	
Driver's license – Current, unrestricted "C" class (manual) Australian driver's license	✓	

Citizenship - In accordance with the PS Act 1999, APS employees are required to be Australian citizens. Persons who are not Australian citizens will generally only be considered where there are no suitable Australian applicants, with next considerations being Australian residents with work rights and New Zealand citizens	✓	
Valid Passport - The expiry date of the passport (and any relevant visa) must be at least 6 months beyond the planned end date of your intended stay in the Antarctic or sub-Antarctic		✓
Provide First Aid (HLTAID011) must be valid for at least 18 months beyond the date of AAD commencement		✓
Provide basic emergency life support (HLTAID010) must be valid for at least 18 months beyond the date of AAD commencement.		✓
Provide CPR (HLTAID009) must be valid for at least 6 months beyond the date of AAD commencement		✓
Security Clearance This position requires a Baseline security clearance. To be eligible for Baseline Vetting, you must be an Australian citizen and able to obtain and maintain this level of clearance.		✓

Knowledge and experience: (within the last 5 years)
- Knowledge of different types of networks: Network types include local area networks (LANs), wide area networks (WANs), virtual private networks (VPNs), and storage area networks (SANs).
- Knowledge and understanding of Wireless LANs including Wireless Lan controllers, Wireless access points and Point to point wireless bridge.
- Knowledge and experience in Network management tools such as Cisco ISE, Cisco Catalyst, Cisco PRIME.
- Experience with Network monitoring tools such as PRTG and Canary SMS alerting.

WHAT WE ARE LOOKING FOR – DESIRABLE
These are not essential to the role however, to be suitable you will need to have at least some of these. We encourage you to apply even if you do not fit 100% of the requirements.

Qualifications/Licences:
- An Open Cabling Licence with optical, coax and structured (O, C & S) endorsements.

Knowledge and experience: Disirable (within the last 5 years)
- CCNA certification or equivalent experience and skills with Enhanced networking abilities, focusing on network configuration, management, and troubleshooting.
- The knowledge and ability to perform firmware and software updates to Network switches.
- Have confidence to build and configure network switches unsupervised.

- Hardware Installation and maintenance of IT infrastructure, network and desktop hardware. This can include servers, switches, routers, wireless network equipment, VoIP equipment, computers and peripherals, and copper and optic-fibre structured cabling.
- Maintenance and repair of electronic equipment, including component level.
- Supervision of communications technical staff – prioritisation of tasks and jobs, maintaining a shared workshop environment, maintaining documentation, and associated drawings.

ELIGIBILITY AND OTHER REQUIREMENTS

Security Clearance This position requires a Baseline security clearance. To be eligible for Baseline Vetting, you must be an Australian citizen and able to obtain and maintain this level of clearance.

Personal Qualities:
During the recruitment selection process, the AAD assesses individual personal qualities required to successfully live and work in an isolated Antarctic/sub-Antarctic community. Successful candidates need to demonstrate the personal qualities detailed [here](#).

Pre-employment check:
Your suitability for employment will be assessed through pre-employment screening including National Police Check, referee checks, pre-employment medical assessment, specified mandatory qualification(s) validation and completion of required probation period.

Work Health and Safety Obligations:
All employees have a duty to take reasonable care of their own health and safety while at work, to ensure their acts or omissions do not adversely affect the health and safety of other persons in line with any reasonable instruction given to comply with the Work Health and Safety legislation.

RecruitAbility:
Under the [APS (Australian Public Service) RecruitAbility scheme](#) you will be invited to participate in further assessment for the vacancy if you choose to apply under the scheme; declare you have a disability; AND meet the minimum requirements for the position.

HOW TO APPLY
Information about how to apply can be found [here](#), including further information about AAD jobs.