



Job Details

Reference: 11148

Position Title: TELECOMMUNICATIONS SYSTEMS SPECIALIST

Classification: EXECUTIVE LEVEL 1,
Senior Information Technology Officer, Grade C

Salary range: \$80,569 - \$87,000 + 15.4% superannuation

Location: 700 Collins Street, Docklands, Melbourne 3008

Division: Systems

Branch: Information Technologies

Section: Data Communications

Status: Ongoing

Applicants: Australian citizenship – see [Essential Applicant Information](#)

Applications close: Friday, 17 July 2009

Advertisement

This position will provide general communications development, support, and maintenance services for the wide range of information systems deployed throughout the Bureau, including the recently established Australian Tsunami Warning System (ATWS).

The position will focus on telecommunications and communications network systems and functions, particularly the support of remote instrumentation communications systems, telecommunications services, video conferencing, IP telephony, voice messaging and telephony systems, to achieve optimal system functionality, reliability, cost effectiveness, and usability. Participation in a 24 x 7 on-call support roster may be required. Some interstate and/or overseas travel may be required for short periods of time

The successful candidate will be able to prioritise competing requirements in consultation with management, leading to effective and efficient job performance with limited direction and supervision.

Duty Statement

Under broad direction,

1. Individually, or as a project team leader, plan and undertake the development, implementation, support and performance evaluation of the Bureau's communications systems, including, but not limited to, remote instrumentation communications systems (including ATWS communications), telecommunications services, video conferencing, IP telephony, voice messaging and telephony systems.
2. Undertake research and development work aimed at achieving optimal availability, reliability and cost effectiveness of the Bureau's communications systems.
3. Liaise with Bureau staff, other Government Agencies and private organisations on issues related to the establishment, security and maintenance of the Bureau's communications systems and associated equipment connections.
4. Maintain currency on related telecommunications technologies and standards, and provide advice to management on related matters and technical support to other Bureau Branches and outside authorities on matters relating to the Bureau's communication systems and equipments.

Duty Statement continued

5. Prepare system documentation on communications systems, maintenance support and, as necessary, regular project status reports.
6. Participate in information technologies support, development, or implementation duties that may from time to time be required.
7. Be aware of, and apply as necessary, the principles and practices of the various elements of the Bureau's Social Justice Strategy.

Duties representing highest function: 1

Supervisor: EXECUTIVE LEVEL 2 (SPO B) (PN 949)

Job Profile

This position is located in the Telecommunications Systems Sub-section of the Data Communications Section. It reports principally to SPO B Sub-section leader position number 949, with the understanding that the occupant may be required to report on a special projects basis to other Sub-section leaders as directed.

The occupant of the position will be responsible, in conjunction with the Sub-section leader and other team members, for investigation, installation, commissioning and maintenance of communications systems to support various Bureau projects and programs, particularly the recently-established Australian Tsunami Warning Systems (ATWS) as well as current Bureau remote instrumentation communications systems, telecommunications services, video conferencing, IP telephony, voice messaging and telephony systems. The successful candidate will require good technical skills with data communications systems and good project management skills in order to successfully complete projects on time and within budget. It is also probable that some projects will require interstate and/or overseas travel for short periods of time.

The communications systems and networks installed and supported typically include a range of technologies. The occupant will need to liaise with other Bureau Sub-sections and/or external authorities which have responsibility for the provisioning of telecommunications services. The occupant will be required to support existing computer communications equipment and software in a predominantly IP based computing and communications environment, and participate in the planning and implementation of extensions, enhancements and rationalisation of the services provided. Liaison with suppliers regarding maintenance and fault resolution issues may also be required as a part of support duties and project work.

Major areas in which the occupant will be involved, include the provision and utilisation of telecommunications services, review of network design, configuration and installation, IP telephony, video conferencing, voice messaging systems, quality of service, performance monitoring, network management, network security, communication connectivity issues including related software and cabling systems and connections to communications services.

In order to effectively carry out the duties of the position, the occupant will be required to have a reasonable understanding of international and de facto standards on telecommunications, IP telephone, computer communications and LAN/WAN networking that have been adopted by the Bureau and, where appropriate, a capacity to research suitable standards for future use within the organization.

The occupant will require demonstrated experience in the development, maintenance and documentation of voice, video and data communications systems, be able to investigate and resolve problems and research new technologies, have sound judgment in evaluating and recommending the acquisition of communications software and hardware and have a co-operative approach to the provision of advice and practical assistance to non-operations specialists.

The occupant of the position will require strong technical skills and preferably an up to date understanding of the following technologies: LAN switches and routers, Data prioritization, Asynchronous Terminal Servers, Modems, Satellite systems, Virtual private networking (VPN), Network management systems, Network security, IPv6, Routing protocols (OSPF, BGP), Frame relay, xDSL, layer 3 WAN services, ISDN, ATM, WAN accelerators and caching, Windows and UNIX computer communications, RF Licensing and techniques.

The occupant may also be required to participate in a 24x7 on-call roster which supports the Bureau's Communications Networks and includes liaison with the Bureau's 24-hour Help Desk facility.

Selection Criteria

Applicants must address the selection criteria. To assist you prepare your application, please read the information at [General Information for Applicants](#) and complete the Bureau of Meteorology Application Cover Form.

More Important

1. Information Technologies Knowledge & Ability. Considerable computing and networking knowledge and proven ability in design and development, particularly in the areas of telecommunications services, IP telephony, voice systems, wide area networking, remote instrumentation communications systems, RF communications, video conferencing. Experience in some or all of the following areas is required:

- Frame relay, xDSL, layer 3 WAN services, ISDN, ATM
- VOIP systems
- Data prioritization
- Asynchronous Terminal servers
- Modems (PSTN and Cellular)
- Satellite systems
- Virtual private networking (VPN)
- LAN switches and routers
- Network management systems
- Network security
- Routing protocols (OSPF, BGP, EIGRP)
- WAN accelerators and caching
- Windows and UNIX computer communications
- RF Licensing and techniques

Relevant qualifications in computing and/or computer communications, or significant demonstrated experience in a related discipline, are required.

2. Project Management Skills. Demonstrated ability to cost, organize, implement, and complete projects in a data communications environment in a timely and cost effective manner. Familiarity with project management techniques, both individually and in a team environment.

Important

3. Personal qualities of initiative and innovation. Demonstrated ability to investigate and maintain knowledge of new products, standards, and technologies, including international standards and trends in computer communications and to troubleshoot software and hardware problems leading to effective resolution.

4. Communication Skills. Ability to communicate clearly through both verbal and written means to audiences of various seniority and technical levels. Ability to liaise with peers and vendor representatives to effectively resolve complex system issues. Ability to prepare documentation, maintenance and user instructions, reports and recommendations with minimal assistance.

5. APS Values. A demonstrated knowledge and understanding of the Bureau's Social Justice Strategy and the APS Values and Code of Conduct and a commitment to their implementation in the workplace.

Contact

If you would like to know more about the Bureau of Meteorology visit <http://www.bom.gov.au/>

Employment conditions for most Bureau employees are contained in the Bureau of Meteorology Certified Agreement 2006-2008 which is available on the website at: http://www.bom.gov.au/inside/ca_2006-2008.pdf

Please read the selection documentation and if you have any queries specific to this position please contact Geoffrey Molloy, Manager Telecommunications Systems on +61 3 96694436.

Applications

Applications can be lodged personally at: Recruitment Unit, 7th Floor, 700 Collins Street, Docklands

By mail to: Recruitment Manager, Bureau of Meteorology, GPO Box 1289, Melbourne VIC 3001

By email to: jobs@bom.gov.au

All applicants are required to include a completed Bureau of Meteorology Application Cover Form, Résumé or CV and a Statement addressing the Selection Criteria.

All applicants are advised to read [General Information for Applicants](#) available on this web site before submitting their application.

Should you experience any difficulties with accessing information please contact the Recruitment Unit by email at: jobs@bom.gov.au or by telephone on 03 9669 4340 / 03 9669 4379 / 03 9669 4260.