



Job Details

Reference:	10406
Position Title:	Senior Professional Officer Grade C
Classification:	Executive Level 1
Salary range:	\$80,569 - \$87,000
Location:	700 Collins Street, Docklands, Melbourne 3008
Division:	Services and Systems
Branch:	National Meteorological and Oceanographic Centre
Section:	Operational Development
Status:	Non-ongoing (Specified Task for approximately 6 months, full-time or part-time negotiable).
Applicants:	Australian citizenship – see Essential Applicant Information
Applications close:	Thursday, 16 October 2008

Advertisement

The occupant of the position will, under limited direction, contribute to the maintenance and support of the operational real-time global and limited area assimilation and prediction, and related, systems, and will be expected to contribute to the operational development and implementation of ACCESS.

Duty Statement

Under broad policy control and direction,

1. Plan, maintain, develop and implement computer based systems for improving the services provided by the National Meteorological Operations Centre.
2. Individually or as a team leader supervise and/or undertake projects directed towards the maintenance, refinement and evaluation of systems within the NMOC analysis-prognosis program.
3. Maintain close liaison with other Sections of the NMOC and other Branches of the Bureau on relevant individual and specialised projects.
4. Participate, if appropriate, in co-operative projects with other groups or agencies.
5. Ensure that policies and practices in relation to the various elements of the Bureau's Social Justice Strategy are applied in the work area, and that training and development programs are implemented for subordinate staff.

Duties representing highest function: 1

Supervisor: Executive Level 2 (SPOB) – Position No. 552

Job Profile

The National Meteorological and Oceanographic Centre (NMOC) serves as the national operations centre for Australia's national weather service, providing centralised guidance products and services. The main role of the Operational Development Sub-section is to maintain, test, implement and develop NMOC's operational meteorological systems so that the associated products can be effectively used by Bureau-wide operations and external users.

The occupant of the position will, under limited direction, contribute to the maintenance and support of the operational real-time global and limited area assimilation and prediction and related, systems, and will be expected to contribute to the operational development and implementation of ACCESS.

In addition to a good background in meteorology, the occupant will need well developed computer skills in a UNIX environment, with a good understanding of Fortran, UNIX scripts, SQL, graphics packages and web use.

The Operational Development Sub-section operates as a team in carrying out its vital role in NMOC's operations. Tasks are shared among its members as needs and priorities change. Members of the team work closely with operational staff in maintaining real-time operations. In an emergency, this could require out of hours consultations.

The Senior Professional Officer Class C, under limited direction, is responsible for planning, developing and implementing computer based systems aimed at improving the meteorological analysis and prognosis operations of the NMOC. In addition the SPOC contributes to the ongoing maintenance and evaluation of the system.

The duties include undertaking meteorological development work covering such fields as:

- effective use of data
- adaptation and improvement of NWP models
- computer processing strategies
- meteorological application of graphics systems
- distribution of products to internal and external users
- development of data archive and retrieval procedures

Systems currently being worked on, in the Sub-section, include:

- Global assimilation and prediction (GASP and its ACCESS replacement)
- Limited area prediction system (LAPS and its ACCESS replacement)
- Mesoscale limited area prediction system (MESO-LAPS and its ACCESS replacement)
- Data monitoring
- Aviation (AVCAST)
- Atmospheric transport and dispersion models
- Rainfall analysis and verification

The staff of the section currently consists of 5 x SPOC (Met.) and 1 x SITOC working under the direction of the SPOB (SROD). The Sub-section works as a team in the support of the real time analysis and prognosis operations of the NMOC.

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.

1. A sound knowledge of dynamical meteorology, atmospheric processes and numerical assimilation and prediction models.
2. An ability to apply scientific knowledge in operational applications and provide effective response to operational demands in the following areas:
 - synoptic meteorology, analysis and prognosis
 - development of operational numerical systems
3. Well developed computer skills including a sound knowledge of programming in a UNIX environment, including the use of FORTRAN, UNIX scripts, SQL, graphics packages and the web, and also a good understanding of computer applications used in NMOC.

Selection Criteria cont.

4. Personal qualities such as initiative, judgement, perseverance, and ability to work in a team environment and to liaise effectively with research and operational staff.
5. A knowledge and understanding of the principles of Workplace Diversity, Occupational Health and Safety and Participative Work Practices and a commitment to apply them in practice.

All criteria are important and are rated equally.

Eligibility Requirements:

Mandatory Qualifications - A degree or diploma of an Australian educational institution, or a comparable overseas qualification, which is appropriate to the duties; OR other comparable qualifications, which are appropriate to the duties.

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 Bruce Gunn on 03 9669 4030.

Applications

Applications can be lodged personally at: The 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 4337 / 03 9669 4379 / 03 9669 4260.