



Position Description

College/Division:	National Computational Infrastructure
Department/Unit:	Innovative Compute Environments
Position Title:	Senior Network Security Specialist
Classification:	Senior Manager 1 (Specialist)
Position No:	TBA
Responsible to:	Associate Director (Service and Technologies)
Number of positions that report to this role:	Nil
Delegation(s) Assigned:	Nil

PURPOSE STATEMENT:

National Computational Infrastructure (NCI) is Australia's leading national provider of high-end computational and data-intensive services, with a well-respected reputation for its services, expertise and innovation. NCI is an operating unit of the Australian National University and is built on and sustained by a formal collaboration of national research organisations, ANU, CSIRO, Bureau of Meteorology, Geoscience Australia, other research-intensive universities and research support organisations nationally.

The Senior IT Network Security Specialist is responsible for the development and implementation of a strategic information network security management policy, and provision of associated expert security advice in relation to ICT network related matters to Australian and international researchers supported by NCI.

KEY ACCOUNTABILITY AREAS:

Position Dimension & Relationships:

The Senior Network Security Specialist will be part of a team and work under the direction and guidance of the NCI Network Security Manager. The position will also work closely with other members of the Innovative Compute Environments team, as well as colleagues across NCI in particular members of the HPC, Cloud Systems, and the Storage Systems teams. The Senior Network Security Specialist will develop and maintain the necessary secure networks across the University and broader Australian research community. The position will liaise with executive management, technical and research staff across Australia and international to advise on network security matters and to enforce NCI network security Policy.

Role Statement:

Under the broad direction of the NCI Network Security Manager:

1. Deliver a key strategic program for the NCI by designing, planning, implementing and documenting a cost effective next generation network from inception through to completion to meet its security and high performance research community needs.
2. Develop and implement the network security policy suite for NCI, including associated standards, practices, procedures and guidelines in accordance with the requirements of the University IT policies and NCI's collaborating organisations.
3. Manage and deliver the network services program in accordance with budget and organisational requirements.
4. Establish and maintain governance arrangements and provide professional, timely and strategic network advice to NCI and its stakeholders.
5. Develop, implement and maintain a framework and methods for regular and effective communication strategies and plans for the dissemination of ICT policies, standards, practices, procedures and guidelines.
6. Maintain knowledge and understanding of contemporary and relevant sector-wide developments in HPC and share with other members of the team.
7. Comply with all ANU policies and procedures, and in particular those relating to work health and safety and equal opportunity.

8. Other duties as required consistent with the classification of the position.

See the classification descriptors for general staff¹ and minimum standards for academic staff²

SELECTION CRITERIA:

1. Progress towards postgraduate qualifications with relevant specialist experience or extensive experience in a specialised environment and specialist expertise or an equivalent combination of relevant experience in a specialised environment.
2. Extensive experience in managing large complex networks through monitoring and investigating for ICT security network breaches.
3. Proven experience developing and implementing policies and programs that involve major change which have had a direct impact on business and external clients.
4. Demonstrated experience in communicating complex ICT security concepts with business and technical people, to ensure the organisation's information assets are secured to a level commensurate with the value of those assets.
5. Demonstrated experience in identifying technical and user issues, thinking laterally and applying analytical skills to develop appropriate options for integrated network security controls in a High Performance Computing environment.
6. Proven ability to work under pressure, meet deadlines and prioritise workloads.
7. A demonstrated high level understanding of equal opportunity (EO) principles, and a commitment to the application of EO policies in a university context.

The ANU conducts background checks on potential employees, and employment in this position is conditional on satisfactory results in accordance with the Background Checking Procedure which sets out the types of checks required by each type of position.

Supervisor/Delegate Signature:		Date:	
Printed Name:		Uni ID:	

References:

[General Staff Classification Descriptors](#)

[Academic Minimum Standards](#)

¹[Schedule 5 - General staff classification descriptors - Human Resources - ANU](#)

²[Schedule 4 - Human Resources - ANU](#)

	Australian National University	<h1 style="margin: 0;">Pre-Employment Work Environment Report</h1>
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Position Details

College/Div/Centre	National Computational Infrastructure	Dept/School/Section	Service and Technologies
Position Title	Senior IT Network Security Specialist	Classification	Senior Manager 1 (IT)
Position No.	TBA	Reference No.	

In accordance with the Occupational Health and Safety Act 1991 the University has a duty of care to provide a safe workplace for all staff.

- This form must be completed by the supervisor of the advertised position and forwarded with the job requisition to Appointments and Promotions Branch, Human Resources Division. Without this form jobs cannot be advertised.
- This form is used to advise potential applicants of work environment issues prior to application.
- Once an applicant has been selected for the position consideration should be given to their inclusion on the University's Health Surveillance Program where appropriate – see . http://info.anu.edu.au/hr/OHS/_Health_Surveillance_Program/index.asp
Enrolment on relevant OHS training courses should also be arranged – see http://info.anu.edu.au/hr/Training_and_Development/OHS_Training/index.asp
- 'Regular' hazards identified below must be listed as 'Essential' in the Selection Criteria - see 'Employment Medical Procedures' at http://info.anu.edu.au/Policies/_DHR/Procedures/Employment_Medical_Procedures.asp

Potential Hazards

<ul style="list-style-type: none"> • Please indicate whether the duties associated with appointment will result in exposure to any of the following potential hazards, either as a regular or occasional part of the duties. 			
TASK	regular	occasional	
key boarding	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
lifting, manual handling	<input type="checkbox"/>	<input type="checkbox"/>	
repetitive manual tasks	<input type="checkbox"/>	<input type="checkbox"/>	
catering / food preparation	<input type="checkbox"/>	<input type="checkbox"/>	
fieldwork & travel	<input type="checkbox"/>	<input type="checkbox"/>	
driving a vehicle	<input type="checkbox"/>	<input type="checkbox"/>	
NON-IONIZING RADIATION			
solar	<input type="checkbox"/>	<input type="checkbox"/>	
ultraviolet	<input type="checkbox"/>	<input type="checkbox"/>	
infra red	<input type="checkbox"/>	<input type="checkbox"/>	
laser	<input type="checkbox"/>	<input type="checkbox"/>	
radio frequency	<input type="checkbox"/>	<input type="checkbox"/>	
CHEMICALS			
hazardous substances	<input type="checkbox"/>	<input type="checkbox"/>	
allergens	<input type="checkbox"/>	<input type="checkbox"/>	
cytotoxics	<input type="checkbox"/>	<input type="checkbox"/>	
mutagens/teratogens/	<input type="checkbox"/>	<input type="checkbox"/>	
carcinogens	<input type="checkbox"/>	<input type="checkbox"/>	
pesticides / herbicides	<input type="checkbox"/>	<input type="checkbox"/>	
TASK	regular	occasional	
laboratory work	<input type="checkbox"/>	<input type="checkbox"/>	
work at heights	<input type="checkbox"/>	<input type="checkbox"/>	
work in confined spaces	<input type="checkbox"/>	<input type="checkbox"/>	
noise / vibration	<input type="checkbox"/>	<input type="checkbox"/>	
electricity	<input type="checkbox"/>	<input type="checkbox"/>	
IONIZING RADIATION			
gamma, x-rays	<input type="checkbox"/>	<input type="checkbox"/>	
beta particles	<input type="checkbox"/>	<input type="checkbox"/>	
nuclear particles	<input type="checkbox"/>	<input type="checkbox"/>	
BIOLOGICAL MATERIALS			
microbiological materials	<input type="checkbox"/>	<input type="checkbox"/>	
potential biological allergens	<input type="checkbox"/>	<input type="checkbox"/>	
laboratory animals or insects	<input type="checkbox"/>	<input type="checkbox"/>	
clinical specimens, including blood	<input type="checkbox"/>	<input type="checkbox"/>	
genetically-manipulated specimens	<input type="checkbox"/>	<input type="checkbox"/>	
immunisations	<input type="checkbox"/>	<input type="checkbox"/>	

OTHER POTENTIAL HAZARDS (please specify):

Supervisor's Signature:		Print Name:		Date:	
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