



## POSITION DESCRIPTION

<b>Position Title:</b>	Technical and Supply Integration Leader
<b>Institute / Division / Business Unit:</b>	Nuclear Operations & Nuclear Medicine
<b>Section or Unit:</b>	OPAL Utilisation
<b>Classification:</b>	Band 7
<b>Position Description Number:</b>	PD-1627
<b>Work Contract Type:</b>	Professional

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### Primary Objective

The primary objective of the Utilisation Technical and Supply Integration Leader is to provide engineering leadership in all matters relating to the OPAL irradiation facilities and supporting systems

### Organisational Environment

ANSTO is the national organisation for nuclear science and technology. We focus on undertaking leading edge research, delivering innovative scientific services and providing specialised advice to government, industry, academia and other research organisations.

The Reactor Operations division operates the OPAL reactor for the purpose of supporting the strategic objectives of ANSTO. This includes the provision of neutron beams to the Bragg Institute, for various irradiation services and to ANSTO Health for the purpose of radiopharmaceutical production and other industrial and academic customers.

The function of the OPAL Utilisation section is to provide those customers with neutron irradiation services within OPAL.

### Position Environment

The OPAL Utilisation Technical and Supply Integration Leader reports to the OPAL Utilisation Manager and is responsible for leading a group of up to 6 engineers and technicians.

The position's internal customers include the Nuclear Science and Technology and Nuclear Business clusters. Effective relationships with Nuclear Business and NST (internal customers) and Business Development when dealing with external customers is required.

Key business units / divisions include: Business Development, ANSTO Health, ANSTO Silicon, IER, IME, and the Centre for Nuclear Applications. External customers include universities, industrial and commercial entities, and research organisations. Internal service providers to the position include OPAL Engineering and Maintenance, ECP, Quality and Configuration Management Groups, RAC and SAC.

### Key Accountabilities

The key accountabilities for this position include:

- being the primary source of technical and engineering expertise in relation to the design and functionality of OPAL irradiation facilities and supporting systems. This includes identifying, evaluating and improving capital and engineering investment decisions in line with the forecast requirements of key customers and stakeholders;
- evaluating engineering design improvements and production process improvements as part of an overall asset management program to safely deliver improved utilisation capability and capacity.

- developing and maintaining OPAL Target and canning standards and procedures, safety and licencing standards, and the requirements of both the ANSTO Safety Management System and Reactor Operations Business Management System.
- managing the process to enable accessibility to OPALs irradiation facilities for beneficial commercial and research outcomes. This includes managing requests for new irradiations or modifications to existing irradiations and ensuring commercial and research outcomes are supported through effective management of projects, management of demand forecasts for irradiation facilities and liaising with internal and external clients;
- maintaining and improving the utilisation systems ensuring they are safely operated, maintained and improved;
- ensuring utilisation systems specific expertise is maintained within the group and ensure the productive operation of the Utilisation Technical Group through maintaining an organisational view of current and future production demands, assessing utilisation supply capabilities, identifying supply gaps and initiating improvement initiatives to maximise the achievement of customer/stakeholder benefit.
- Identifying and driving improvement initiatives within the Utilisation Technical Group consistent with the Nuclear Operations & Nuclear Medicine Business plan and Sustainability plan. This includes liaising with customers and stakeholders to manage and improve organisational wide processes aimed at maximising the safe and productive utilisation of OPAL facilities.
- Report to the OPAL management on the status and performance of relevant plant systems and the Systems Engineering Group, including work progress, work backlog, technical issues, resourcing, training, personnel issues.

### **Challenges**

The major challenges for this position include:

- Apply nuclear and reactor specific knowledge and expertise to achieve the safe and functional operation of OPAL utilisation facilities
- Developing innovative and creative solutions to complex engineering, business and interpersonal issues.
- Interacting with customers to manage and deliver high value commercial and research irradiations in accordance with safety, regulatory and stakeholder requirements.

### **Special Requirements / Physical Requirements**

- Work in different areas on ANSTO as needed, including radiation areas under tightly regulated conditions.
- Satisfy ANSTO Security and Medical clearance requirements.

### **Delegations**

The levels of authority delegated to this position are those approved and issued by the Chief Executive Officer. All delegations will be in line with the ANSTO Delegation Manual AS-1682 (as amended or replaced).

### **Work, Health & Safety Accountabilities, Responsibilities and Actions**

ANSTO is committed to delivering excellence in WHS performance based on ANSTO's core values. All employees are responsible for undertaking their activities in a safe manner and co-operating and complying with WHS requirements and to improve WHS in their workplace by taking a proactive approach to WHS, using appropriate controls, working safely to reduce risk to self and others, and reporting unsafe work practices, equipment, incidents and near misses.

The specific role as specified in AG-2362 of the ANSTO WHS Management System, which defines the accountabilities, responsibilities and actions, allocated to this position is:

- All Workers;
- Managers/Leaders/Supervisors; and
- other specialised roles identified within the guideline the position holder may be allocated to in the course of their duties

### **Knowledge, Skills and Experience**

1. Degree in Engineering or Science
2. Significant experience as a Nuclear Mechanical Engineer (or equivalent) within a reactor facility, neutron irradiation environment or within the nuclear industry.
3. Demonstrated ability to apply asset management principles and utilise project management methodologies to deliver quality and fit-for-purpose outcomes.
4. Understanding of the nuclear physics processes that take place during irradiation of isotopes and materials.
5. Recognised as a technical expert in relevant nuclear research reactor plant systems.
6. Demonstrated ability to lead, manage, organise and supervise a team.
7. Demonstrated organisational skills including the ability to apply judgement to manage demanding workloads and conflicting priorities.
8. Demonstrated business acumen specifically in liaising with customers and stakeholders with an aim of understanding their needs and being responsive to their requests.