

Domain Architect



Cluster	Education
Agency	NSW Department of Education
Division/Branch/Unit	Education & Skills Reform / Training Services NSW / Training Market Business Services
Location	Parramatta CBD
Classification/Grade/Band	Clerk Grade 11/12
Role Number	
ANZSCO Code	
PCAT Code	
Date of Approval	November 2020
Agency Website	www.education.nsw.gov.au

Agency overview

The NSW Department of Education provides, funds and regulates education services for NSW students from early childhood to secondary school, delivering world-class education through its public schools and providing funding support to non-government schools. We employ, develop and support teachers, leaders and other staff to deliver the best outcomes for students and to advance the wellbeing of Aboriginal people.

Training Services NSW (TSNSW) leads and manages the implementation of funded vocational education and training programs and services across the NSW training market including contracting and funding providers, quality assurance, leading reforms and administering apprenticeships and traineeships and Aboriginal programs.

The Branch also has a major role in industry and community relations and in supporting the business operations and systems, including forecasting, budget management, accounting and reporting activities for the large VET budget.

The Branch has frontline staff in nine Regional Centres who manage relationships with providers and employers, and implement and administer funded vocational education and training programs and services across the State.

Primary purpose of the role

The Domain Architect is responsible for the development of the technology solutions and mapping the business requirements to systems/technical requirements to ensure they are in line with project/ program objectives and ICT strategies within DoE.

This role exists within the Training Market Business Services directorate within TSNSW, responsible for providing project, finance and business support to TSNSW. This role will also work closely with the Program, Enterprise Architecture and IT support/delivery teams, along with a diverse group of senior stakeholders and customers across DoE.

Key accountabilities

- Review, interpret and respond to business requirements specifications (BRS) and business process architecture to ensure alignment between customer expectations and current or future ICT capability
- Provide input to the strategic direction of technology investments to assist in the development of the enterprise architecture and maximise the return on technology investment
- Within the agreed enterprise architecture, define and design technology solutions to assist the business in meeting their business objectives
- Develop, test and implement technology solutions and report on delivery commitments to ensure solutions are implemented as expected and to agreed timeframes
- Adhere to technical governance and architectural principals with DoE.
- Identify and analyse ICT organisational and sector strategic issues and options and align technology vision with business strategy to guide the development, implementation and governance of ICT strategies
- Manage stakeholder relationships, provide robust, and evidence based advice about strategic issues to implement reform.
- Undertake high-level research, horizon scanning and analysis to identify future ICT trends, related strategies, policy priorities and issues.
- Align solutions delivered by providers (both internal and external) with published ICT and organisational strategies
- Review, analyse and provide input for continual improvement into ICT strategies and systems to provide recommendations on the alignment, risk, financial value and contribution to organisational priorities.
- Monitor and review progress on program and strategies against agreed measures.

Key challenges

- Identify system, infrastructure and project interdependencies and balance competing demands to ensure project deliverables are achieved

Key relationships

Who	Why
Internal	
Project and Program Manager	<ul style="list-style-type: none">▪ Inform manager about agreed ICT architecture▪ Escalate issues, keep informed, advise and receive instructions
Director, Training Market Business Services	<ul style="list-style-type: none">▪ Review and alignment of solutions against DoE Enterprise Architecture▪ Escalate architecture or solution issues
Strategy & Architecture team	<ul style="list-style-type: none">▪ Review alignment of solutions against DoE Enterprise Architecture▪ Escalate architecture or solution issues
Work team	<ul style="list-style-type: none">▪ Work collaboratively to contribute to achieving multiple team's business outcomes▪ Participate in meetings to obtain the work group perspective and share information
Peer groups	<ul style="list-style-type: none">▪ Resolve and provide solutions to issues▪ Develop and document solution requirements
External	
Vendors / Suppliers	<ul style="list-style-type: none">▪ Evaluate options for solutions and services▪ Incorporate external requirements and features in solution designs

Role dimensions

Decision making

The role makes key decisions in the selection of appropriate technology and standards to meet business requirements including budgetary constraints. Independently assesses and manages a variety of tasks, and identifies the scope and resources required for individual tasks within broad priorities agreed with the role supervisor. Provides specialist advice regarding existing programs/systems and recommends application amendments (including related project implementation schedules). Prepares sound reports, analyses, submissions and other forms of written advice for consideration by the key stakeholders.

Reporting line

Director Training Market Business Services

Direct reports

The role may also be required to supervise other project contributors, including contractors, on discretionary projects.

Budget/Expenditure

As per financial delegation

Essential Requirements

- Tertiary qualifications and/or relevant experience
- Demonstrated knowledge of TOGAF (Certification in TOGAF is preferable)
- Demonstrated skills and experience in developing robust and future-proof application & technology solutions, technical specifications and systems designs in the relevant technologies
- Demonstrated extensive experience using a relevant (Agile, Waterfall or Rational Unified Process) software development lifecycle
- Demonstrated experience in technologies/frameworks such as Service Orientated Architecture (SOA), Integration architecture including API gateway platforms, ESB, event driven architecture and Microservices design patterns
- Demonstrated skills and experience in application and data modelling
- Knowledge of and commitment to the Department's Aboriginal education policies






Capabilities for the role

The NSW Public Sector Capability Framework applies to all NSW public sector employees. The Capability Framework is available at www.psc.nsw.gov.au/capabilityframework


Capability summary

Below is the full list of capabilities and the level required for this role. The capabilities in bold are the focus capabilities for this role. Refer to the next section for further information about the focus capabilities.

NSW Public Sector Capability Framework

Capability Group	Capability Name	Level
 Personal Attributes	Display Resilience and Courage	Advanced
	Act with Integrity	Adept
	Manage Self	Intermediate
	Value Diversity	Adept
 Relationships	Communicate Effectively	Advanced
	Commit to Customer Service	Intermediate
	Work Collaboratively	Advanced
	Influence and Negotiate	Intermediate
 Results	Deliver Results	Advanced
	Plan and Prioritise	Intermediate
	Think and Solve Problems	Advanced
	Demonstrate Accountability	Intermediate
 Business Enablers	Finance	Adept
	Technology	Advanced
	Procurement and Contract Management	Adept
	Project Management	Intermediate
 People Management	Manage and Develop People	Adept
	Inspire Direction and Purpose	Adept
	Optimise Business Outcomes	Adept
	Manage Reform and Change	Adept

Occupation / profession specific capabilities

Capability Set	Category, Sub-category and Skill	Level and Code
 SFIA	Strategy & Architecture – Technical Strategy & Planning	Level 5 – ARCH
	Strategy & Architecture – Technical Strategy & Planning	Level 5 – DESN

Focus capabilities

The focus capabilities for the role are the capabilities in which occupants must demonstrate immediate competence. The behavioural indicators provide examples of the types of behaviours that would be expected at that level and should be reviewed in conjunction with the role's key accountabilities.

NSW Public Sector Capability Framework

Group and Capability	Level	Behavioural Indicators
Personal Attributes Display Resilience and Courage	Advanced	<input type="checkbox"/> Stay calm and act constructively in highly pressured and unpredictable environments <input type="checkbox"/> Give frank, honest advice in the face of strong, contrary views <input type="checkbox"/> Accept criticism of own ideas and respond in a thoughtful and considered way <input type="checkbox"/> Welcome new challenges and persist in raising and working through novel and difficult issues <input type="checkbox"/> Develop effective strategies and show decisiveness in dealing with emotionally charged situations, difficult and controversial issues
Personal Attributes Manage Self	Intermediate	<ul style="list-style-type: none"> • Adapt existing skills to new situations • Show commitment to achieving work goals • Show awareness of own strengths and areas for growth and develop and apply new skills • Seek feedback from colleagues and stakeholders • Maintain own motivation when tasks become difficult
Relationships Communicate Effectively	Advanced	<input type="checkbox"/> Present with credibility, engage varied audiences and test levels of understanding <input type="checkbox"/> Translate technical and complex information concisely for diverse audiences <input type="checkbox"/> Create opportunities for others to contribute to discussion and debate <input type="checkbox"/> Actively listen and encourage others to contribute inputs <input type="checkbox"/> Adjust style and approach to optimise outcomes <input type="checkbox"/> Write fluently and persuasively in a range of styles and formats
Relationships Work Collaboratively	Advanced	<input type="checkbox"/> Build a culture of respect and understanding across the organisation <input type="checkbox"/> Recognise outcomes which resulted from effective collaboration between teams <input type="checkbox"/> Build co-operation and overcome barriers to information sharing, communication and collaboration across the organisation and cross-government <input type="checkbox"/> Facilitate opportunities to engage and collaborate with external stakeholders to develop joint solutions

NSW Public Sector Capability Framework

Group and Capability	Level	Behavioural Indicators
Results Think and Solve Problems	Advanced	<ul style="list-style-type: none"> <input type="checkbox"/> Undertake objective, critical analysis to draw accurate conclusions that recognise and manage contextual issues <input type="checkbox"/> Work through issues, weigh up alternatives and identify the most effective solutions in collaboration with others <input type="checkbox"/> Take account of the wider business context when considering options to resolve issues <input type="checkbox"/> Explore a range of possibilities and creative alternatives to contribute to systems, process and business improvements <input type="checkbox"/> Implement systems and processes that are underpinned by high-quality research and analysis <input type="checkbox"/> Look for opportunities to design innovative solutions to meet user needs and service demands <input type="checkbox"/> Evaluate the performance and effectiveness of services, policies and programs against clear criteria
Business Enablers Technology	Advanced	<ul style="list-style-type: none"> <input type="checkbox"/> Champion the use of innovative technologies in the workplace <input type="checkbox"/> Actively manage risk to ensure compliance with cyber security and acceptable use of technology policies <input type="checkbox"/> Keep up to date with emerging technologies and technology trends to understand how their application can support business outcomes <input type="checkbox"/> Seek advice from appropriate subject-matter experts on using technologies to achieve business strategies and outcomes <input type="checkbox"/> Actively manage risk of breaches to appropriate records, information and knowledge management systems, protocols and policies
People Management Inspire Direction and Purpose	Adept	<ul style="list-style-type: none"> • Promote a sense of purpose and help the team to understand the strategic direction of the organisation and the needs of customers and stakeholders • Translate broad organisational strategy and goals into tangible team goals and explain the links for the team • Ensure that team objectives and outcomes lead to the implementation of government priorities and create value for customers and stakeholders • Work to remove barriers to achieving goals

Occupation specific capability set (Skills Framework for the Information Age – SFIA)

Category and Sub-Category	Level and Code	Level Descriptions
Strategy & Architecture Technical Strategy & Planning	Level 5 ARCH	Solution Architecture (ARCH) - Uses appropriate tools, including logical models of components and interfaces, to contribute to the development of systems architectures in specific business or functional areas. Produces detailed component specifications and translates these into detailed designs for implementation using selected products. Within a business change programme, assists in the preparation of technical plans and cooperates with business assurance and project staff to ensure that appropriate technical resources are made available. Provides advice on technical aspects of system development and integration (including requests for changes, deviations from specifications, etc.) and ensures that relevant technical strategies, policies, standards and practices are applied correctly.
Strategy & Architecture Technical Strategy & Planning	Level 5 DESN	System Design (DESN) - Specifies and designs large or complex systems. Selects appropriate design standards, methods and tools, consistent with agreed enterprise and solution architectures and ensures they are applied effectively. Reviews others' systems designs to ensure selection of appropriate technology, efficient use of resources, and integration of multiple systems and technology. Contributes to policy for selection of architecture components. Evaluates and undertakes impact analysis on major design options and assesses and manages associated risks. Ensures that the system design balances functional, service quality and systems management requirements.