ROLE DESCRIPTION

Senior Quantitative Analyst

Government of South Australia
Department of Treasury and Finance

Role title	Senior Quantitative Analyst	Classification	SS/SM1
Branch	South Australian Government Financing Authority (SAFA)	Type of Appointment	Term
Section	Risk and Assurance	Position Number	M04957
Approved by	Chief Executive Officer, SAFA	Date	May 2026

Who we are

At the Department of Treasury and Finance (DTF), we are building a world-class Treasury for South Australia – it's about the people and the impact we create together.

We are South Australia's lead agency for economic, digital and financial policy outcomes. Our work touches every corner of the state, from enabling frontline services to driving digital transformation.
And we do it all with one purpose: to make life better for the people who call South Australia home.

What sets us apart

Good people…
who welcome you

Join a team of highly skilled people who are genuinely keen to connect, collaborate and support each other in the pursuit of excellence.

Interesting work…
that challenges you

Apply your skills to meaningful, work. Whether you're working on major policy decisions or working behind the scenes, your work here matters.

Serious impact…
that connects you

See your work translated into the infrastructure, services and prosperity of South Australia.

Working for DTF includes

Flexibility and Reach	We actively promote flexible working arrangements and value diversity in the workplace. This role may involve occasional out-of-hours work or travel, offering a unique window into all that's happening across South Australia.
Continuous Growth	You will participate in our Departmental Performance Management Program, designed to support your personal growth and help you build a compelling career.
Broad Exposure	You may be assigned to other positions at the same level, providing multi-disciplinary exposure, a variety of work and professional development opportunities.

About your branch

This exciting role presents an opportunity to help shape and further mature SAFA's approach to leveraging

quantification techniques to improve risk management activities across the branch. This will support better decision making in pursuit of SAFA's strategic objectives and management of operational risk.

The Senior Quantitative Analyst will be accountable for supporting the Director, Enterprise Risk Management in the development, implementation, and continuous improvement of quantitative risk frameworks, methodologies, and reporting. This includes:

- Further refining a well-established financial risk management framework and governance activity for the financial markets division.
- Supporting the Director Insurance and Strategic Projects in using risk quantification techniques to better manage the South Australian Government's insurance risks
- Providing ad-hoc risk quantification support to other areas of the business as required.

The role is recognised as an authoritative expert and trusted advisor to SAFA's Executive Leadership Team, Board sub-committees, the Treasurer, and senior external stakeholders, including credit rating agencies, actuaries, and central agencies. The incumbent regularly engages with senior political, commercial, and sector representatives, providing expert advice on complex quantitative risk matters with material financial and reputational implications for the State and across the public sector.

What you will do

Strategic Leadership and Enterprise Risk Oversight

- Drive the development of SAFA's strategic direction, governance and assurance of quantitative risk, ensuring alignment with SAFA's statutory objectives, Government financial policy, and best market practice.
- Exercise delegated authority to approve and maintain quantitative methodologies, models and risk analytics used to measure SAFA's financial risks, including interest rate, foreign exchange, credit, liquidity, funding, cost of funds and insurance risks, with impact extending across agency boundaries.
- Direct and oversee complex quantitative analysis, modelling, and forecasting to support claims analysis, risk exposures, and emerging trends across the public sector insurance portfolio and related agencies.
- Provide authoritative strategic advice to senior executives and committees on complex risk exposures, scenario analysis, stress testing and risk trade-offs, directly influencing high-impact decisions with State-wide and cross-agency implications.
- Maintain oversight of SAFA's cost-of-funds methodology and projections to support Treasurer-level and whole-of-government decision-making.

Executive Advice and Stakeholder Influence

- Act as SAFA's principal quantitative risk advisor providing clear, evidence-based and strategic advice to the Executive Leadership Team, other SAFA stakeholders and cross-agency governance forums.
- Represent SAFA and the State in engagements with credit rating agencies, auditors, central agencies and other external stakeholders, ensuring the credibility and robustness of SAFA's risk position is maintained.
- Translate complex quantitative information into clear executive-level insights, enabling confident and timely decision-making by senior leaders and Government stakeholders.

Leadership and Capability Development

- Provide leadership, direction and support as part of a specialist quantitative risk team fostering a high-performance risk culture focused on accountability, continuous improvement and professional

excellence.

- Lead workforce and capability planning for the function, ensuring SAFA maintains the skills and capacity required to meet current and future risk management demands.
- Coach and develop senior specialists, promoting contemporary quantitative analysis-based risk practices and knowledge sharing across the organisation and sector.

Governance, Assurance and Continuous Improvement

- Ensure the integrity, consistency and reliability of quantitative risk data, models and reporting across SAFA and its client portfolios with sector-wide impact.
- Lead the ongoing review and enhancement of risk systems, tools and processes to maintain alignment with international best practice and evolving market conditions, and emerging government priorities.
- Identify emerging risks, longer-term issues, and improvement opportunities, developing and implementing strategic responses to strengthen SAFA's and the State's risk maturity.
- Effectively identify and manage risks related to your role in line with the DTF Risk Management Framework.
- Operate in line with public sector values, including integrity, inclusion and workplace safety and in accordance with relevant legislation, policies and standards.

Working relationships

Key relationships include:

- Liaises with other SAFA Directors and senior leaders across agencies for the provision of quantitative analytical services.
- Required to directly supervise other staff and may be required to manage staff from other areas within SAFA or across agencies on a project basis.

Team, budget and reporting responsibilities

Reports to: Director, Enterprise Risk Advisory

Direct reports: N/A

Budget: Contributes to budget planning and monitoring

What you bring (essential criteria)

- Tertiary qualifications in Mathematics, Statistics, Actuarial Studies, Finance or a related discipline.
- Significant senior-level experience in quantitative financial risk management within a treasury, financial services, insurance or comparable complex environment.
- Proven capability in providing strategic, advice to senior executives on complex financial risk matters of critical agency and sectoral importance.
- Demonstrated experience leading specialist teams and driving enterprise-level and cross-agency improvement.
- High-level ability to translate complex quantitative analysis into clear, impactful advice for executive and Government decision-makers.
- Possess excellent communication skills facilitating effective communication with senior management and staff at all levels in both oral and written communications.
- Demonstrated ability to translate information needs of management into comprehensive reports.
- Demonstrated experience with analytical tools such as R, Python, SQL, Excel, or business intelligence

platforms to develop financial models.

Additional capabilities (desirable)

It's not essential, but we'd love you to have:

- AFMA Accreditation
- Knowledge of captive insurance arrangements or government risk pools.
- Progress toward, or membership of, a relevant professional body (e.g. Actuaries Institute, statistical or analytics associations).

Special Conditions

To ensure we remain South Australia's trusted advisor, safeguarding our state's economy and protecting the people we serve, the successful candidate will be required to undergo relevant screening assessments in line with our Employment Screening Policy. These checks ensure we maintain the high standards of a world-class Treasury.

☒ Nationally Coordinated Criminal History Check
☐ SAPOL
☐ Working with Children Check
☐ Security Clearance (Baseline, Negative Vetting Level 1, Negative Vetting Level 2, or Positive Vetting)
☐ Other

- Some out of hours work may be required. Intrastate and interstate travel may be required.