

Role Statement

Movement Scientist (Biomechanics)

Classification Level:	PO2	Agency:	Office for Recreation, Sport and Racing
Position Number:	P43162	Division:	South Australian Institute of Sport
Direct Reports:	0	Business Unit:	High Performance Programs
ANZSCO Code:	4523	Reports to:	Performance Support Manager
Date Updated:	Jul 2026	Location:	Mile End

Organisation Overview

The Office for Recreation, Sport and Racing (ORSR) is the lead agency for the Government's policy on sport and active recreation. ORSR is responsible for State Government policy and legislation as it relates to the sector, its key programs, sport and recreation infrastructure and funding programs. The ORSR supports sport and recreation organisations, Councils and the community through the development of policy, programs and resources, the provision of funding, recreation and sport planning, infrastructure development, elite sport pathways and programs, and the promotion of physical activity.

Division

The **South Australian Sports Institute (SASI)** is the High-Performance Sports hub in South Australia. Its purpose is empowering people to achieve their sporting dreams and inspiring South Australians. SASI does this by:

- Providing the highest quality daily training environment, including embracing leading-edge technologies to optimise the performance of its people, programs, projects and partners.
- Optimising national representation and medal success on the world stage for South Australian-based athletes and teams
- Pursuing excellence in practice, services and culture
- Developing sustainable talent pathways for athletes and coaches
- Enhancing the community's engagement with SASI

Role Overview

The Movement Scientist (Biomechanics) provides specialised, integrated, high-quality services in the areas of movement science, and specifically biomechanics and is accountable to the Performance Support Manager. These services will be developed and delivered in collaboration with SASI coaches to elite SASI sports, coaching



programs, and athletes. This role will also provide specialist input to the SASI Para Unit in the area of movement science (biomechanics).

This position involves close working relationships with coaches, athletes and other Performance Support staff. Integral to the role is the ability to work as both an independent service provider and integrated team member.

Key Outcomes of the Role

Contribute to the goals and objectives of SASI and ORSR by:

- Planning, delivering, and evaluating sports specific integrated movement science (biomechanics) support that impacts on the performance of elite athletes and sports programs.
- Establishing project priorities and resources via sports annual performance plans, athlete individual plans and coaching priority projects.
- Delivering specific and relevant performance testing and monitoring for SASI athletes and providing timely feedback to coaches, athletes, and other performance support team members.
- Coordinating, implementing, and reviewing, in conjunction with head coaches, a specific sports annual Performance Support plan.
- Leading and coordinating movement science (biomechanics) niche innovation and research projects to improve knowledge and best practice.
- Developing and implementing new specialised biomechanics resources and practices to a national standard with the intention of achieving world best practice.
- Maintaining equipment and operating within appropriate professional standards, as recommended by the Australian Institute of Sport's National Quality Standards Scheme (NQSS) program.
- Building and maintaining effective working relationships with other performance support personnel within Sports Institutes/Academies and the University sector within Australia.
- Presenting and publishing information on relevant elite sport movement science (biomechanics) topics to SASI athletes, coaches, staff and stakeholders.
- Providing specialist, innovative input to the para-hub in the area of movement science (biomechanics).
- Assisting in the effective use of resources by complying with government and departmental systems, policies, and procedures.
- Contributing to a safe, diverse and healthy work environment free from discrimination and harassment by working in accordance with legislative requirements, the [Code of Ethics for the South Australian Public Sector](#), equal employment opportunity and departmental human resource policies, including Work Health Safety and Wellbeing requirements.

Special Conditions

- Work outside normal office hours and intra and interstate travel is required.
- This role has been classified as a position of trust, and a 'prescribed position' under the Child Safety (Prohibited Persons) Act 2016. The incumbent is subject to a satisfactory Department of Human Services Working With Children Check (WWCC) in line with departmental criminal history screening policies and procedures.



Qualifications / Licences

Essential

- Human Movement / Exercise and Sports Science Degree.
- PhD in relevant topic.
- ESSA Accredited Sport Scientist (ASpS) Level 1.
- Experience in providing Movement Science support to elite athletes.
- Sport Integrity Australia anti-doping education (or willingness to complete).
- Senior First Aid and CPR (or willingness to complete).
- Driver's licence.

Person Capabilities

- Highly developed communication skills and proven ability to build and maintain effective relationships both internally and externally with a diverse range of stakeholders.
- Demonstrated ability to prioritise and possess a high level of personal initiative and autonomy.
- Demonstrated ability to contribute strongly within a multi-disciplinary team as well as the ability to work independently.
- Experience in the provision of applied movement science support and proven experience interacting with high performance coaches and athletes
- Demonstrated strong biomechanical expertise and a comprehensive understanding of movement analysis techniques. Experience applying biomechanical knowledge to assess performance, inform training interventions, and support decision making for elite athletes and coaching staff. Demonstrated technical expertise in the applied use of technology in sport.
- Highly developed communication skills and proven ability to build and maintain effective relationships both internally and externally with a diverse range of stakeholders.
- Familiar with the concepts and requirements of the National Quality Standards Scheme (NQSS).
- Demonstrated ability to work respectfully and effectively with Aboriginal and Torres Strait Islander people and an understanding of Aboriginal cultural values and social issues and ensuring programs and services are accessible and meet Aboriginal community needs.
- Demonstrates a commitment to communicating and facilitating cultural change by influencing staff and athletes to actively engage and exhibit behaviours reflecting the SASI values including:
 - **TEAM** – show care, connection and build trust.
 - **PRIDE** – learn & grow, be passionate and have fun.
 - **DRIVE** – be bold, courageous, listen and lead.
 - **EXCELLENCE** – show initiative, seek knowledge, display greatness.
- Displays resilience, courage and actively seeks, reflects and acts on feedback on own performance.
- Provide timely, constructive and objective feedback to athletes and staff.

Corporate Responsibilities

Exhibits behaviours and demonstrates commitment and accountability to:



- Keeping accurate and complete records of business activities in accordance with the State Records Act 1997.
- Maintaining a commitment to the Public Sector Act 2009, Ethical Conduct and the legislative requirements of the Public Sector Act 2009 and Work Health and Safety Act 2012.
- Supporting and advocating Equal Employment Opportunity (EEO) and diversity in the workplace in accordance with EEO legislation. In particular, maintaining a commitment to promote an inclusive workplace in support of Aboriginal and Torres Strait Islander people and other under represented groups.

Delegate Approval

Name

Signature

Date: / /

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