



POSITION DESCRIPTION

Position Title:	System of Systems Analysis Researcher
Position Reference Number:	PDWCSD002
Division	WCSD
Position Classification:	ST3-4 Above
Position Location:	Edinburgh (SA)
Security Level:	NV1 on commencement, TS PV
Minimum Academic Qualification:	PhD
Enquiries:	Lesley Kelly lesley.kelly@dst.defence.gov.au 08 7389 6491

Academic Disciplines

Aerospace/ Aeronautical Engineering, Naval Architecture	Chemical, Radiological, Biological, Food sciences	Materials Science
Computer Sciences, IT, Software Engineering, Telecommunications	Mathematics and physics	Psychology and Social Sciences
Mechanical and Mechatronic Engineering (including robotics)	Electronic/ Electrical Engineering	Other

Position Overview

The System of Systems Analysis Researcher will work as part of a team undertaking research into complex systems of systems for Defence using modelling, simulation and analysis techniques across aerospace, land and maritime domains.

Position Duties

Under guidance, the System of Systems Analysis Researcher will:

1. Contribute to a team analysing Defence complex system of systems that support activities from future force design to tactics development;
2. Be engaged in all aspects of the analysis methodology including scenario definition, design of experiments, statistical analysis, documenting and reporting of results to Defence stakeholders;
3. Understand the limitations and suitability of modelling, simulation and analysis tools and contribute to their innovation to achieve Defence outcomes in complex contested environments;
4. Undertake personal research in an area relevant to System of Systems Analysis;
5. Provide timely reports for clients and DST leadership on relevant research areas, and
6. Collaborate with external partners (international, industry or academic).

Other Requirements

Appointee will commence on a **Negative Vetting 1 (NV1) Security Clearance** and will be required to upgrade to a **Top Secret Positive Vetting (TSPV) Security Clearance** after commencement.