



POSITION DESCRIPTION

Position Title:	Tactical Systems Experimentation Researcher
Position Reference Number:	PDWCSD008
Division	WCSD
Position Classification:	S&T3-4 (Above)
Position Location:	Edinburgh (SA)
Security Level:	NV1 on commencement, then NV2
Minimum Academic Qualification:	PhD
Enquiries:	Paul.Farr@dst.defence.gov.au

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 Tactical Systems Experimentation Researcher will be part of a team responsible for developing and running highly specialised simulation facilities used for experimenting with military combat systems and mission systems. They will be innovative in the research and application of new simulation and IT technologies within these facilities, building upon traditional IT systems.

Position Duties

Under guidance of staff, the Tactical Systems Experimentation Researcher will:

1. Investigate modern IT and simulation technologies for use within the facility.
2. Prepare to scientific publication standard, papers discussing the research undertaken, and systems developed.
3. Become familiar with and use constructive and “Human-In-The-Loop” virtual simulation methods as applied to military tactical and mission systems.
4. Assist in the design, evolution, maintenance and administration of specialised simulation computing networks.
5. Assist in the design of experiments and the configuration of infrastructure for scheduled experiments.
6. Assist in the conduct of experiments that utilise the facilities.
7. Develop software utilities as may be required in evolving the facilities and conducting experiments.

Other Requirements

This position may require some travel.

This position requires undertaking of tasks involving :

- Working at heights
- Requirement to use personal protective equipment (PPE)

Appointees will require a **Negative Vetting 1 (NV1) Security Clearance** upon commencement with a probable need to upgrade their security clearance to **Negative Vetting 2 (NV2)** within the first 12 months.