



POSITION DESCRIPTION

Position Title:	Training Effectiveness Researcher
Position Reference Number:	ECRAD004
Division	Aerospace Division
Position Classification:	S&T3-4 Above
Position Location:	Melbourne
Security Level:	NV1
Minimum Academic Qualification:	Masters degree in a relevant field or equivalent experience
Enquiries:	Robert Bolia, robert.bolia@dst.defence.gov.au, +61 3 9626 8751

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: Human Factors, Org Design & Dev

Position Overview

The Training Effectiveness Researcher will work as part of a multi-disciplinary team to support the development of advanced training capability within the Australian Defence Force by contributing to research on training analysis, design, and evaluation. Particular emphasis will be placed on the evaluation of systems and methods relevant for identifying and acquiring the knowledge and skills needed to ensure successful mission completion in complex and challenging environments; and on the investigation of methods for accelerating learning and conducting effective human performance measurement and feedback in the context of teams and teams-of-teams.

Position Duties

Under guidance and as part of a multidisciplinary team, the Training Effectiveness Researcher will:

1. Contribute to the conceptualisation, design, execution, analysis, and reporting of research on human performance and training effectiveness in the military aerospace domain.
2. Investigate and trial new concepts and technologies for training analysis, design, and evaluation.
3. Liaise with Defence clients to understand their requirements for advanced training systems.
4. Prepare reports of research outcomes that are suitable for publication in the scientific literature.
5. Provide advice to military stakeholders in the form of verbal and written reports of research outcomes.

Other Requirements

Appointees will be initially be engaged on a **BASELINE** security clearance with an upgrade to a **Negative Vetting 1 (NV1)** Security Clearance required upon commencement.

Domestic and/or overseas travel may be required from time to time.

Demonstrated knowledge and experience with:

- knowledge elicitation, training needs analysis, training effectiveness evaluation, human performance measurement, and/or instructional systems design; and
- the design, execution, analysis, and reporting of human-in-the-loop experiments.