



# POSITION DESCRIPTION

<b>Position Title:</b>	<b>Weapons Guidance and Control Scientist</b>
<b>Position Reference Number:</b>	PDWCSD006
<b>Division</b>	WCSD
<b>Position Classification:</b>	S&T3-4 Above
<b>Position Location:</b>	Edinburgh (SA)
<b>Security Level:</b>	NV1
<b>Enquiries:</b>	Ninh.Duong@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 Weapons Guidance & Control Scientist will work in a collaborative environment comprising DST, universities, international government agencies and industry, and will be responsible for development of novel guidance technologies that will transform the way the weapons are deployed against advanced adversarial systems of the future.

Preferred academic background includes aerospace engineering, robotics, control and automation, and the additional skills in software engineering will be highly regarded.

## Position Duties

**Under guidance, the Weapons Guidance and Control Scientist will:**

1. Develop software and hardware technologies for advanced weapons systems.
2. Contribute to concept demonstrator programs via scenario development, weapons and environment modelling and simulation, tool chain assistance, and performance analysis.
3. Actively engage stakeholders to understand the client requirements and the current technology landscape.
4. Collaborate with global experts in the relevant fields to enable speedy roll-out of the solutions and the quality of the solution.
5. Generate S&T reports and publications to raise the scientific profile of the program.
6. Assist in the management of S&T infrastructure (indoor flight lab, flight system hardware, computing systems etc) in support of R&D and client tasks.

## Other Requirements

Appointees will be initially engaged on a Baseline security clearance with an upgrade to a higher clearance required upon commencement.

Interstate and overseas travels are expected for project meetings and trials.