

WCSD001 COMBAT SYSTEM MODELLER

Location: Edinburgh, South Australia

Overview:

As member of DST's Weapons and Combat Systems Division, you will develop models of combat systems. The Weapons and Combat Systems Analysis science and technology capability enables the Australian Defence Force's current and future operational capabilities by providing balanced, impartial and timely advice to support decisions about Joint, Air, Maritime and Land capabilities.

The role will contribute to the development of models including:

- (a) Air Mission Systems;
- (b) Surface Combatant Combat Management Systems;
- (c) Land Battle Management Systems; and
- (d) Weapons Mission Planning Systems.

These models will be used to investigate future concepts and capabilities, to inform the needs and requirements of future capabilities and assess options/alternatives against those requirements.

There is flexibility to tailor the role to skillset of the successful applicant, such as emphasizing the development of new modelling frameworks or modelling specific aspects of the individual combat systems.

Academic Requirement:

A PhD in one of the following areas:

- Computer Science
- Software Engineering
- Mathematics

Other Role Specific Requirements:

Demonstrated experience, or ability, in any or all of the following areas:

- Mathematical modelling of systems;
- Computer programming to implement mathematical models, simulations, and data capture;
- Software engineering of complex systems.

Notes:

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

Written Application Position Specific Question (400 word max)

Please provide one specific example that demonstrates your practical experience that is relevant to this position?