



POSITION DESCRIPTION

Position Title:	Analytic Scientist - Geospatial Intelligence
Position Reference Number:	PDNSID002
Division	NSID
Position Classification:	S&T3-4 Above
Position Location:	Edinburgh, South Australia
Security Level:	TSPV
Minimum Academic Qualification:	PhD
Enquiries:	tim.pattison@dst.defence.gov.au (08) 7389 6485

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 Analytic Scientist - Geospatial Intelligence will formalise the concepts required by geospatial intelligence analysts and incorporate them into mathematical and computational models to help make sense of large volumes of dynamic spatio-temporal data.

Position Duties

Under limited direction and in small, multi-disciplinary teams, the Analytic Scientist - Geospatial Intelligence will:

1. Develop mathematical and computational models of systems, processes and interactions of interest to geospatial intelligence analysts.
2. Demonstrate the application of those models to large and dynamic spatio-temporal data sets.
3. Quantify the resultant benefits for geospatial intelligence analysts. These might include increased situation awareness and productivity, and improved assessments.
4. Transition successful models to prototypes at higher levels of technology readiness.
5. Maintain awareness of the state of the art in applicable modelling techniques.
6. Prepare papers discussing work undertaken to scientific publication standard.

Other Requirements

Appointee will be initially engaged on a **Secret (NV1) Security Clearance** security clearance with an upgrade to a **Top Secret Positive Vetting** required upon commencement.