



POSITION DESCRIPTION

Position Title:	Space Systems Engineer
Position Reference Number:	PDNSID003
Division	National Security and Intelligence Surveillance & Reconnaissance Division
Position Classification:	S&T3-4 Above
Position Location:	Edinburgh (SA)
Security Level:	TSPV
Minimum Academic Qualification:	PhD
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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 Space Systems Engineer will work on novel embedded system technologies employed in small satellite exemplar missions that aim to demonstrate functionality to the intelligence, warfighting and national security communities.

Position Duties

Under guidance of staff, the Space Systems Engineer will:

1. Develop embedded system technologies to be hosted on small satellites, including the spacecraft bus and payload.
2. Contribute to the development of novel radio frequency technologies employed in the ground segment supporting small satellite operations.
3. Participate in the operation of on-orbit small satellites.
4. Prepare papers discussing the work undertaken to scientific publication standard.
5. Participate in collaboration with various partners across academia, industry and allied nations.

Other Requirements

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

Work with others towards shared goals in a team environment.

There may be some working at heights (tower platform hosting ground station antennae), and the occasional requirement to support ground station operations at night.