



POSITION DESCRIPTION

Position Title:	Acoustic Systems Engineer
Position Reference Number:	ECRMD009
Division	MD
Position Classification:	S&T3-4
Position Location:	Edinburgh, SA
Security Level:	NV1
Minimum Academic Qualification:	Bachelor
Enquiries:	Vince Rose, vincent.rose@dst.defence.gov.au (08) 7389 6177

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

Contribute to the development of state-of-the-art sonar technologies and systems relevant to (airborne) sonar supporting Australian Navy and Air Force capability in Anti-Submarine Warfare.

Position Duties

Under guidance the Acoustic Systems Engineer will:

1. As a part of a team, conduct engineering activities relating to distributed sensor fields for detecting submarines. Duties include data processing and analysis, electrical/electronic design and construction, software programming and trial participation.
2. Develop expertise in sonar technologies and systems specific to airborne deployed sonar.
3. Provide support to Maritime Divisions field trials and participate in RAAF 92WG data collection activities.
4. Communicate, document and report on engineering outcomes to DST, Defence clients and other stakeholders.
5. Collaborate with Australian Navy/Airforce clients, international Defence agencies and industry.

Other Requirements

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

Participation in (occasional) at-sea and over-water (air) trial activities.