POSITION DESCRIPTION

Position Title:	Maritime Operations Analyst
Position Reference Number:	PDJOAD004
Division	Joint and Operations Analysis Division
Position Classification:	S&T3-4
Position Location:	DST Sydney – Eveleigh NSW
Security Level:	NV1
Minimum Academic Qualification:	Undergraduate/Post Graduate Degree or PhD
Enquiries:	Vern Dutschke, Verran.dutschke@dst.defence.gov.au, Tel (02) 93810038

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 Maritime Capability Analysis (MCA) Branch in Sydney is looking for an enthusiastic Maritime Operations Analyst. Come and join the team that addresses difficult questions about how Australia's warships should be made ready to go to sea, deploy to where they are needed, and fight to win. As the ideal candidate, your passion to make Australia's Navy more capable will be matched by your ability to think critically about problems and provide insights using operations research skills including mathematical modelling and data analytics. When Navy is calling for urgent answers you will be integral to the teams that deliver them, and you will also perform research into issues that no-one else is even thinking about yet.
Your knowledge in science & technology will equip you to improve how warships operate today; your desire to innovate will drive you to imagine ways that they could operate in the future. Your excellent verbal and written communication skills will enable you to collaborate with Navy personnel, academia and industry with clarity and influence.

Position Duties

Under guidance of staff, the Maritime Operations Analyst will:

- Apply appropriate mathematical modelling, data analytics or analysis approaches to solve maritime problems. This may involve utilising existing tools and techniques or researching new and novel approaches.
- Liaise with other study stakeholders in Defence to identify priorities and develop solutions that meet their needs and expectations.
- Research new analysis methodologies, mathematical modelling and data analytic techniques appropriate to maritime capability. Develop and maintain an understanding of emerging applications, knowledge and techniques applicable to the operations research discipline.
- Collaborate with scientists from different disciplines and other DST Divisions to understand and access system performance data and modelling results. Contribute to partnership activities within DST and with academia and industry.
- Plan and conduct analysis studies. Communicate and publish study results.

Other Requirements

There will be opportunities to gather data at sea onboard Navy ships.

Some interstate travel will be required.