



# POSITION DESCRIPTION

<b>Position Title:</b>	<b>Adaptive Signal Processing Research Scientist</b>
<b>Position Reference Number:</b>	ECRNSID006
<b>Division</b>	National Security and ISR Division
<b>Position Classification:</b>	S&T3-4 Above
<b>Position Location:</b>	Edinburgh (SA)
<b>Security Level:</b>	Secret (NV1)
<b>Minimum Academic Qualification:</b>	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 Adaptive Signal Processing Research Scientist will undertake research in adaptive signal processing relevant to electronic warfare for high frequency radar systems, and be involved in the development and experimental testing of new signal processing techniques for transitioning into the Jindalee Operational Radar Network (JORN).

## Position Duties

Under guidance, the Adaptive Signal Processing Research Scientist will:

1. Investigate and develop new signal processing techniques related to electronic warfare for high frequency radar systems.
2. Implement and test signal processing algorithms using programming languages such as Matlab.
3. Validate and compare the performance of new techniques with existing techniques using experimental data collected from JORN.
4. Prepare papers to scientific publication standard, discussing the work undertaken and present outcomes to both technical and non-technical audiences.

## Other Requirements

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