

Radio Frequency (RF) Technologist

Description

The Australian Signals Directorate (ASD) is a statutory agency in the Defence portfolio that defends Australia against global threats and advances our national interests through the provision of foreign signals intelligence, cyber security and offensive cyber operations.

ASD is seeking an RF Technologist who will be responsible for the design, integration, testing and documentation of engineering subsystems.

The RF Technologist will be required to work across a variety of disciplines including RF hardware design, software configuration, testing and completing systems engineering documentation and procedures. They will be required to support team members in their required areas of expertise and share their knowledge to aid in improving staff understanding.

Job Duties & Responsibilities (include but are not limited to):

- As directed, undertake the design, integration, testing and documentation of engineering subsystems
- Plan, design, manage, execute and report test and test procedures using appropriate testing tools and techniques
- Produce technical documentation
- Undertake testing using electronic debugging equipment (e.g. oscilloscopes, logic analysers, spectrum analysers) to do fault finding and debugging of embedded hardware devices
- Assist in the continuous improvement process by developing and enhancing procedures
- With guidance, perform design review

Skills

Essential Job Skills & Qualifications:

- Demonstrable experience in system design, deployment/set to work, sustainment and fault-finding of RF systems
- Broad knowledge across earthing, power, transmission and timing systems
- Ability to modify RF equipment and systems to achieve bespoke operational requirements
- Test integrated solutions against design specifications
- Manufacture and testing of low volume, bespoke cabling. Optical, coaxial and signalling

Desirable Job Skills & Qualifications:

- Experience in satellite communications
- Experience in Data Centre / Transmission Room systems and design
- Electrical Trade certificate
- Rope Access and working at heights
- Application of ARPANSA RF standards
- Experience in RoIP technologies

Qualifications

Must have Positive Vetting Security clearance

Hiring organization

Defence

Employment Type

Contractor

Beginning of employment

30 November 2024

Duration of employment

12 months with a possible extension of 12 month

Base Salary

\$ 180 - \$ 200

Job Location

ACT

Closing Date

12.11.2024

Contacts

1. How do you meet the ability to perform the Job Duties and Responsibilities set out above. (please respond in less than 3000 characters).
2. Your demonstrated skills and experience against the Essential Skills and Qualifications as set out above. (please respond in less than 3000 characters).
3. Your demonstrated skills and experience against the Desirable Skills and Qualifications as set out above. (please respond in less than 3000 characters).