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## **JOB TITLE**

Systems Engineer

## **REPORTS TO**

Systems Engineering Team Leader

## **RESPONSIBLE FOR (STAFF)**

N/A

## **OVERALL OBJECTIVE**

CDNZ operates a matrix organisational structure with a combination of project based and functional based reporting.

The Systems Engineer will be assigned to projects/programs and perform system engineering tasks as required.

## **SPECIFIC RESPONSIBILITIES AND OBJECTIVES**

- Performs system requirement analysis and develops system and subsystem specifications and interface specifications.
- Prepares design and operational documentation.
- Evaluates vendor capabilities to provide required products or services. Interfaces with customers, contractors and marketing vendors.
- Participates in in-house design reviews and technical status meetings.
- Plans and performs system/subsystem integration, testing and system validation.
- Performs system modelling and simulation, trade studies, and complex system functional analyses and designs.
- Defines test strategies, schedules, data requirements, and associated test equipment needs.
- Participates in writing new business proposals, and preparing associated cost rationale.
- Participates in both internal and external design reviews and status meetings.
- Interfaces with Quality Assurance to ensure application of quality standards.
- Works closely with other engineering disciplines to ensure coordination and integration of system elements and interface requirements, both internally and with team-mates/subcontractors.
- Maintains knowledge of and follows applicable policies and procedures governing work assignments.
- Keeps informed of new developments in systems engineering techniques and advances in technology.
- May serve as a team member to solve engineering problems and develop improved engineering processes.

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## AUTHORITY

N/A

## ADDITIONAL INFORMATION

The attributes of the person holding this position are likely to include the following:

1. Tertiary qualification in system engineering, electrical engineering, or related technical discipline, plus 5 years experience.
2. Proficient in MS Office software, including MS Project.
3. The ability to work well in a team environment, relating to a range of different personality types, and providing leadership skills. The ability to organise and delegate.
4. The ability to work well under pressure in a variety of situations.
5. Ability to travel as required to the customers premises and field sites.
6. Must be able to work under project deadlines and associated cost and schedule constraints.
7. Experience in creating, analysing, documenting and testing system and subsystem designs.

Amendments to the Job Description maybe required from time to time to fit circumstances and any changes will be at the discretion of Cubic Defence New Zealand Ltd and after consultation with the employee.