



# CUBIC

**DEFENCE NEW ZEALAND, LTD.**  
*A member of the Cubic Corporation family of companies*

Commercial in Confidence

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## 1 JOB TITLE

Hardware Engineer

## 2 2 REPORTS TO

Engineering Manager

## 3 3 RESPONSIBLE FOR

Nil

## 4 4 OVERALL OBJECTIVE

Under general supervision and work direction of Project Manager, proceeding on own initiative with minimal supervision and general direction, performs complex hardware engineering duties following designated standards and procedures. Works closely with other engineering disciplines. May act as a team leader.

## 5 5 SPECIFIC RESPONSIBILITIES AND OBJECTIVES

- Develops circuit, component, subsystem, and equipment interfaces and procurement specifications.
- Designs digital, analog or radio frequency circuits, components, and subsystems.
- Prepares design specifications, analyses and recommendations.
- Performs circuit interconnection or subsystem prototype assembly.
- Prepares design and operation objectives, specifications and resource needs.
- Recommends test control, strategies, apparatus and equipment.
- Supports the interfaces with customers, contractors and marketing vendors.
- Evaluates vendor capabilities to provide required products or services.
- Conducts in-house design reviews and technical meetings.
- Prepares design proposal to reflect cost, schedule and technical approaches.
- Monitors project status and progress.
- Manages budget and schedule for electrical engineering tasks.
- Keeps abreast of improvements in electronic engineering techniques.

## 6 6 AUTHORITY

Nil

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## 7 7 ADDITIONAL INFORMATION

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

1. Tertiary qualifications in the field of electrical engineering or science plus 5 years experience.
2. Experience in the development of electronic microprocessor systems. Experience in digital and analogue circuits would be advantageous along with exposure to a variety of design tools (simulators, schematic entry tools, PCB layout, ASIC design etc) would also be beneficial.
3. Experience and awareness of software capabilities and functions would be advantageous, and an understanding of the compromise between performing tasks in hardware or software.
4. The ability to keep up with new technology and its application.
5. The ability to work well in a team environment, relating to a range of different personality types, and providing leadership skills.
6. The ability to work well under pressure and display good problem-solving skills in a variety of situations.
7. The ability to prioritise work and complete multiple tasks.
8. Effective written and oral communication skills.
9. Must be able to work under project deadlines and associated cost and schedule constraints.
10. Knowledge of customer needs and competing products desirable.

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.