

## Job Description

The most important thing we build is trust



### AVIONICS AND SURVEILLANCE DIVISION

End to end avionics and covert surveillance solutions



### DEFENCE SYSTEMS DIVISION

Critical technology for network centric operations



### MISSION SYSTEMS DIVISION

Complete 'nose to tail' refuelling and 'wingtip to wingtip' mission systems capability



### AVIATION SERVICES DIVISION

Operates, modifies and maintains more than 150 fixed and rotary wing aircraft around the world

## Manufacturing Engineer Core Job Descriptions September 2009

# Manufacturing Engineer



## Role purpose (position scope)

BSME or MS IE&M, with 5-10 years experience combined design and manufacturing process. Candidate must have proven record of accomplishment in a production environment with material management, statistical process control (SPC), logistics, and design of experiments (DOE). Primary responsibility includes providing support for problem solving of assembly/test issues through investigation and research. Must be able to meet all minimum standards within 90 days.

## Key responsibilities

- Improving overall assembly processes and test methods.
- Process development and capability studies
- FRACAS and root cause analyst in factory and at suppliers.
- Create process documentation
- Participate in new product design reviews from a design for manufacturing perspective.
- Basic design, commission and debug process assembly/test equipment.
- Electronic component knowledge
- High standard of trouble shooting/faultfinding and elect circuit/diagram schematic interpretation.
- Statistical analysis application on process capabilities.

## Core competencies

- To perform this job successfully, an individual must be able to perform each essential duty satisfactorily. The requirements listed below are representative of the knowledge, skill and or ability required.
- Preferred BSME or MS IE&M, experience of combined design and manufacturing process.  
Knowledge of tool and fixture design.  
Knowledge of standard assembly practices. Incorporating lean manufacturing process.  
Knowledge of ASME Y14.5M tolerancing standard.  
Be able to operate AutoCAD R13 software and solidworks (multiple versions).  
Read and understand electronic schematics and PCB assembly drawings.

## Reports to

Manufacturing Engineering Mgr

## Direct reports

Not Applicable

## Key measures and milestones

- Key deliverables to be discussed during induction.
- 5-8 yrs exp. In Avionics equip manuf/assembly and production processing testing techniques according to related industry standards such as AS9100, FAA and ISO and Cobham QMS.
- High degree of PC skills and software such as word, excel, visio and basic access programming required.
- Active working knowledge of AutoCAD and Solidworks is required.
- IPC and JEDEC accreditations will be considered as near future requirement.

## Education and Experience

A Bachelors degree eng./equivalent.

## Physical Environment

- Office setting, reasonably quiet, temperature controlled
- Reasonable accommodation available for individuals with disabilities to perform essential duties