

AEROJET GENERAL CORPORATION
Sacramento, California

FACTORY JOB DESCRIPTION

JOB TITLE(S): Inspector

JOB CODE:

LABOR GRADE:

FQC42

H

FQC63

G

FQC61

E

SUMMARY

Inspects all forms of material and hardware from raw material and piece parts through final product acceptance and test to assure all requirements are met. These inspections include the use of different types of inspection and measurement equipment and NDT techniques as certified. Examines documentation and quality records to the extent necessary to assure their accuracy and completeness. Processes specific documentation in accordance with Company command media to accept or reject raw material or hardware at any point in the process.

WORK PREFORMED

Reviews documentation and quality records to ensure accuracy and completeness. Inspects raw materials, piece part hardware, in-process hardware, finished product and completed quality records to ensure that all meet the requirements set forth in the Aerojet documentation (e.g. receiving inspection plans, in-process manufacturing planning, inspection and test plans, program quality requirements summaries). Accepts or rejects raw material and hardware in accordance with command media. This includes creating specific quality records and creating and attaching appropriate tags, processing appropriate paperwork to status and segregate hardware as appropriate.

This position performs a wide variety of visual inspections in accordance with manufacturing plans, nonconformance instructions and inspection and test plans. This includes but is not limited to all types of metallic and non-metallic parts and assemblies (e.g. heat treating), processing of fabric lay-up, metal surfaces, resin applications, oxidizer grinding, propellant blending, casting, curing, machining, restriction, final assembly and performance testing. Performs process assessments and audits to prevent improper processing and/or inadvertent use of discrepant hardware. Dimensionally inspects linear, angular, and positional characteristics in two or more planes by use of precision measuring instruments, surface plate set-ups, electronic and/or optical equipment, etc. Performs layouts and makes set-ups requiring the use of inspection equipment. May use handling devices and operate handling equipment to support inspection.

Performs in-process electrical inspections when appropriately trained. Maintains assigned inspection equipment and assures appropriate calibration. May perform non-destructive testing and inspection techniques when appropriately certified to do so. May inspect or oversee the receiving, packing and shipping of all variety of materials, components and products to prevent damage and assure all requirements are met.

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Labor Grade G and H only:

- Uses and interprets advanced data collection and analysis techniques used to monitor processes such as pre-control charts and statistical process controls.
- Assures command media and manufacturing planning is followed by conducting in-depth assessments of processes as required.

Labor Grade H only:

- Performs inspection software validation in accordance with command media through comparison of inspection data taken between 2 different inspection methods (e.g. between CMM, Faro ARM, Laser Tracker or Standard Measurement Methods).
- Performs weld inspections.
- Operates coordinate measuring machines.

QUALIFICATIONS

The following labor grade qualifications are progressive.

Labor Grade E

High School graduate or equivalent and a minimum of 2 years directly related experience, and ASME Y14.5 Certification or 6 years of demonstrated GD&T and/or dimensional inspection experience. Ability to read, write, use a computer, read engineering drawings, perform mathematics in support of job requirements and use of standard measuring instruments (SMI).

Labor Grade G

Meet all requirements of Labor Grade E plus greater than 3 years directly related experience and demonstrate the ability for use of specialty inspection equipment (e.g. Faro Arm), data interpretation (e.g. Statistical Process Controls (SPC)) and process assessments. Hold and maintain any combination of 3 major and minor inspection certifications. Must have ASME Y14.5 Certification to promote.

Labor Grade H

Meet all requirements of Labor Grades E and G plus greater than 4 years directly related experience. Demonstrate ability to properly operate CMM equipment or achieve and maintain an American Weld Society Certified Welding Inspector (CWI) certification or achieve an American Society of Quality (ASQ) Certified Quality Inspector (CQI) Certification.

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Major Certifications/Qualifications

Electrical Certification (crimping and soldering)
Ultrasonic Certification (bond/unbond)
CWI Certification from the American Welding Society
CMM Qualification
Laser Tracker Qualification
CQI Certification from the American Society of Quality

Minor Certifications/Qualifications

Ultrasonic Qualification (Thickness Test)
Alcohol Wipe Penetrant Qualification
Penetrant Certification (Type II, Visible Dye)
Magnetic Particle Certification (Portable)
Eddy Current Certification (Thickness Test)
Leak Testing Certification (Helium, Halogen, Bubble, etc.)

ADMINISTRATIVE GUIDELINES

- Labor grade advancement will take place upon completion of the certification(s) listed for that labor grade. Once proficiency is demonstrated, inspectors will qualify for the top of the rate of that labor grade.
- Inspectors will be considered a plant-wide classification and placed into one integrated seniority list. If a reduction in force is necessary it will be by bargaining unit seniority.
- Certification requirements will be determined by business needs. Inspectors will not be downgraded when, due to no fault of their own, they are prevented from recertification. If an employee is unable to maintain, or chooses not to maintain, the certifications required for the labor grade in which he is currently assigned, he will be downgraded to a level in which he meets the certification requirements.
- The Company will offer, by classification seniority, training in the NDT, Electrical, Dimensional, and other fields as required by business needs, allowing all employees in the Inspector classification to have the opportunity to advance to their highest potential.

*This job description supercedes all prior agreements