

AEROJET GENERAL CORPORATION
Sacramento, California

FACTORY JOB DESCRIPTION

JOB TITLE(S): Inspector

JOB CODE:

LABOR GRADE:

FQC42

H

FQC63

G

FQC61

E

SUMMARY

Work in accordance with all Company command media. 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 when starting any given inspection assignment. 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 etc.) 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 and bonding or segregating 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 perform audits and process assessments as assigned. May inspect or oversee the 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:

- May perform as Lead Worker.
- 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, Laser Tracker or Standard Measurement Methods).

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 a minimum of 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 a minimum of 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.