

# Inspector

Uses predetermined methods, operations, setups and prescribed specifications to inspect visually in-process and completed products such as electronic units and subsystems, precision electromechanical assemblies or mechanical units, subassemblies, structural flaws, internal defects, and missing welds. Uses various measuring devices. Accepts, rejects, or reworks defective or malfunctioning units or systems. Works from blueprints, diagrams, dial indicators, preset micrometers, scales, fixtures, customer specifications, drawing or inspection instructions and checklists. May monitor and verify quality in accordance with statistical process or other control procedures. Performs line clearances after each lot to ensure all materials from the previous lot have been removed.

Level 1		Level 2		Level 3		Level 4	
Inspector I		Inspector II		Inspector III		Sr. Inspector	
Knowledge	Little or no knowledge of the job. Moderate understanding of general job aspects and some understanding of the detailed aspects of the job.	Full knowledge of the job. Substantial acquaintance with, and understanding of, general aspects of the job with a broad understanding of the detailed aspects of the job.		Considerable knowledge of the job. Complete acquaintance with, and understanding of, the general and detailed aspects of the job, and their practical applications to problems and situations ordinarily encountered.		Extensive knowledge in specialized functions. A wide and comprehensive acquaintance with, and understanding of, both general and specific aspects of the job and their practical application to complex problems and situations ordinarily encountered.	
Supervision Received	Close supervision involving detailed instructions and constant checking on work performance.	General supervision and instructions given for routine work and detailed instructions given for new activities or special assignments.		Limited supervision. No instructions needed on routine work, and general instructions given on new lines of work or special assignments.		Minimal supervision. Work may be done without established procedures.	
Consequence of Errors	Errors can be easily and quickly detected within the immediate work unit and would result only in minor disruption or expense to correct.	Errors may be detected and corrected but may cause moderate loss of time or customer/user dissatisfaction.		Errors may be difficult to detect and would normally result in loss of customer business, material or equipment to resolve.		Errors are very difficult to detect and would normally require significant expenditures to resolve.	
Contacts	Contacts are primarily within immediate work unit. Contacts involve obtaining or providing information requiring little explanation or interpretation.	Contacts are typically with individuals within own department and occasionally with contacts outside own organization. Contacts involve obtaining or providing information or data requiring some explanation or interpretation.		Contacts are frequent with individuals representing other departments, and/or representing outside organizations. Contacts involve obtaining or providing information or data on matters of moderate importance to the function of the department or which may be of sensitive nature.		Contacts are frequent with individuals representing outside organizations, and/or individuals of significant importance within the company. Contacts involve planning and preparation of the communications, require skill, tact, persuasion and/or negotiation to accomplish the objectives of the communication.	
Work Products (Examples may include but are not limited to)	Performs uncomplicated mechanical measurements, using a range of measuring tools. Reviews reworked and repaired items for acceptance. Describes nonconformance situations and may assist in the cause and resolution. Understands drawings and drawing notes. Performs Receiving and Inspection functions. Performs manufacturing in-process inspections. Performs Non-destructive testing such as pressure and vacuum only. Assists in performing higher levels of inspection. Other duties as assigned.	Ability to perform mechanical measurements, using various measuring instruments GD&T methodology. All general duties and responsibilities of an Inspector I including: Ability to perform simple surface plate set-ups, micrometers, height gages, optical comparators, etc. May include ability to perform electronic and/or hybrid inspection of complex electrical assemblies, components and systems. Ability to review reworked and repaired items for acceptance. Ability to determine effectiveness of corrective actions for nonconforming materials. Ability to describe nonconformance situations and assist in the cause and resolution. Ability to understand drawings and drawing notes. Ability to perform Receiving Inspection, In-process Inspection, and Final Inspection functions. Required to assist lower and higher levels of inspection personnel.		Excellent understanding of the aerospace industry as it relates to airframe assemblies, especially composite structures and the manufacturing, assembly, and inspection processes used in their manufacture. Possess working knowledge of inspection tools, equipment, methods, and instrumentation (including electronic inspection devices) as they relate to airframe components and assemblies. Assist in determination of root causes for defects, and in formulation of corrective actions to prevent defect recurrence. Thorough understanding of computer models, drawings, Quality System procedures, Acceptance Test Procedures, and Specifications. Required to assist lower and higher levels of inspection and manufacturing personnel. Ability to complete First Article packages per AS 9102 or equivalent.		Excellent understanding of the aerospace industry as it relates to airframe assemblies, especially composite structures and the manufacturing, assembly, and inspection processes used in their manufacture. With ability to train and assist lower level inspectors. Possess working knowledge of inspection tools, equipment, methods, and instrumentation (including electronic inspection devices) as they relate to airframe components and assemblies. Lead in determination of root causes for defects, and in formulation of corrective actions to prevent defect recurrence. Thorough understanding of computer models, drawings, Quality System procedures, Acceptance Test Procedures, and Specifications. Required to assist lower and higher levels of inspection and manufacturing personnel. Ability to complete First Article packages per AS 9102 or equivalent.	

	Level 1	Level 2	Level 3	Level 4
	Inspector I	Inspector II	Inspector III	Sr. Inspector
Minimum Education and Experience	Must have reasonably good manual dexterity. Must be able to bend, stoop, reach and lift 40 lbs minimum, repetitively. Must be able to withstand repetitive contact with water and moisture. High school graduate (or equivalent). Read and write English. Ability to understand and perform basic mathematical concepts.	Must have reasonably good manual dexterity. Must be able to bend, stoop, reach and lift 40 lbs. repetitively. Must be able to withstand repetitive contact with water and moisture. High school graduate (or equivalent). Ability to read and write English. Ability to perform basic mathematical concepts. Blueprints. Computer Skills and CAD preferred.	Minimum 5 years QA experience in composite airframe components and assemblies. Basic Computer Skills (Excel, Word, Outlook, etc.). Understanding of ISO 9001 and AS9100 requirements, and ability to interpret and comply with sub-tier procedures. Ability to interpret and use Geometric Dimensioning & Tolerancing. Good communication skills, verbal & written. High School Graduate or equivalent, some college desirable. A & P license or equivalent training and experience preferred.	Minimum 7 years QA experience in composite airframe components and assemblies. Basic Computer Skills (Excel, Word, Outlook, etc.). Understanding of ISO 9001 and AS9100 requirements, and ability to interpret and comply with sub-tier procedures. Ability to interpret and use Geometric Dimensioning & Tolerancing. Good communication skills, verbal & written. High School Graduate or equivalent, some college desirable. A & P license or equivalent training and experience preferred.