JOB QUALIFICATION STANDARD (JQS)

Occupation: **QUALITY ASSURANCE AUDITOR**

Work Process (Competency): Quality Assurance Fundamentals

Practical Hours: 700 hrs.

Standard (Objective Group): Quality Assurance: Apply a working knowledge of the Quality Assurance Program and the systems put in place to ensure product and process meets requirements as defined by customer specifications and external regulations.

Performance Objective (Skill Objective): Demonstrate the ability to a display an understanding of the Quality Assurance Program and the systems put in place to ensure product and process meets requirements as defined by customer specifications and external regulations.

Performance Indicator	Qualification Date/Initial
Demonstrate the ability to discuss the importance of defect detection and prevention through communication channels in one's facility.	
Demonstrate the ability to discuss the importance of the cost of poor quality through communication channels in one's facility.	
Demonstrate the ability to apply the 8 principles of a Total Quality Management (TQM) program in one's facility.	
Demonstrate the ability to discuss the importance of customer satisfaction through communication channels in one's facility.	
Demonstrate the ability to interpret and discuss the relationship between products and processes and how individual steps can impact the system as a whole.	
Demonstrate the ability to interpret testing standards (ASTM, ASME and ANSI) and verify testing requirements are part of the standard work for the organization.	

Performance Objective (Skill Objective): Demonstrate the ability to conduct the process of collecting and comparing data trends using the company's quality Statistical Process Control (SPC) software platform.

Performance Indicator	Qualification Date/Initial
Using the principles of statistics, demonstrate the ability to measure central tendency by calculating mean, median and mode.	
Using the principles of statistics, demonstrate the ability to measure dispersion by calculating range, standard deviation and variance.	
Using the principles of statistics, demonstrate the ability to measure proportion by calculating percentage and ration measures for various data sets.	

Using the principles of statistics, demonstrate the ability to define, interpret and use graphical displays such as scatter diagrams, tally sheets and bar charts to display data effectively in various situations.	
Using the principles of statistics, demonstrate the ability to define, create and interpret normal distribution through symmetry, bell curves and central tendencies.	
Using the principles of Statistical Process Control (SPC), identify common and special causes of variation.	
Using the principles of Statistical Process Control (SPC), determine whether a process is in statistical control by analyzing data patterns (runs, trends and hugging) and what actions should be taken in response.	
Using the principles of Statistical Process Control (SPC), define, describe and distinguish between control and specification limits used in SPC.	
Using the principles of Statistical Process Control (SPC), identify and interpret characteristics of variable charts (X-R and X-S charts).	
Using the principles of Statistical Process Control (SPC), identify and interpret characteristics of attribute charts (p, np, c, and u charts).	
Using the principles of Statistical Process Control (SPC), apply process capability analysis studies and identify their application to various types of data.	
Demonstrate the ability to apply problem-solving tools through the plan-do-check-act (PDCA) or plan-do-study-act (PDSA) cycles.	

Performance Objective (Skill Objective): Demonstrate the ability to measure of part features using the application of Geometric Dimensioning and Tolerancing (GD&T) principals.

Performance Indicator	Qualification Date/Initial
Demonstrate the ability to identify symbols for showing datums and basic dimensions on drawings.	
Demonstrate the ability to identify symbols for Maximum Material Size (MMS) and Regardless of Feature Size (RFS).	

Apprentice Signature:	**Completed:** MM/DD/YY
Mentor Signature:	**Completed:** MM/DD/YY
Supervisor Signature:	**Completed:** MM/DD/YY
Comments:	