



Shoreline Community College

16101 Greenwood Avenue North

Shoreline, WA 98133

Manufacturing/Machinist Technology Advisory Committee

Special Meeting—*Quality Assurance Skills Panel*

January 11, 2013

Noon – 12:00 pm

Minutes

Present: Timothy Bartol – The Boeing Company
Cliff Bergeson – Shoreline Community College
Charles Garnesley – American Society of Quality
Sandy Gibbs – Provail
Michelene Felker – Shoreline Community College
Susan Hoyne – Shoreline Community College
Steve Johnnic – Pacific Tool
Brian Keever – Shoreline Community College
Jeff Purdy – Shoreline Community College
Keith Smith – Shoreline Community College
Tom Stevenson – Royell Manufacturing
Mike Stewart – Giddens Tool

Welcome – Michelene Felker

Introductions

Goals of the QA Program – Cliff Bergeson

Cliff discussed the overall goal of offering a Quality Assurance class at Shoreline Community College that would train a student to become an entry level inspector in a machine shop. Then he organized a discussion among participants to gather their input on what kind of skills and knowledge that should be taught in this class.

Discussion – A discussion was held by participants to talk about what kinds of skills and abilities should be emphasized in Shoreline's Quality Assurance class. Below is a list of the points raised in this discussion that attendees felt that should be included in the curriculum for the Quality Assurance Class:

Knowledge

- GD&T
- Math – Basic through Trigonometry
- Fundamentals of Calibration
- De-burr requirements

- Outside Processes
 - Shot Peening
 - Plating
- Understanding the nature of defects
- Is familiar with Flight Safety Standards dealing with:
 - Accountability
 - Traceability
 - Legal documents
 - Certification paper work
 - Heat treat
 - Chemical processes
 - Material properties
- Understands how to fill out Cause and Corrective Action reports
- Is familiar with AS9102 Standards and MIL-STD105

Ability

- Can use MS Office tools
- Can use a MRP system
 - Time keeping
 - Production schedules

Skills

- Using precision measuring tools
 - Micrometers
 - Dial Bore Gage
 - Gage Blocks
- Developing a Q/A Inspection plan
- Can correctly determine the needs of customer quality control plans
- Can perform a 1st Article Inspection

Soft Skills

- Problem solving
- Attendance
- Work place communication
- Teamwork
- Accountability
- Resume

Equipment

- CMM
- Hardness testers
- Eddy current testers
- Mag Testers

Wrap Up – Cliff Bergeson**Adjourn**