

Attributes Acceptance Sampling Going Beyond AQL and Beyond ANSI/ASQ Standard Z1.4 Reference to Military and ISO Standards



July 30, 2008

8:00 AM to 4:30 PM

Hilton Los Angeles / Universal City

555 Universal Hollywood Drive

Universal City, California, United States 91608-1001

Tel: 1-818-506-2500 Fax: 1-818-509-2058

Course Abstract: "Attributes Acceptance Sampling" A comprehensive one day course with exercises for hands-on learning. Participants will gain valuable insights to set up 'statistically valid sampling plans.' You will see the strengths and weaknesses of the ANSI/ASQ Z1.4-2003 standard "Sampling Procedures and Tables for Inspection by Attributes." You will see the risks associated with AQLs and RQLs. You will be able to make confidence statement based on the results of sampling. You will be able to explain and justify your choice of single and double sampling plans. This class will tell you "Everything you ever wanted to know about attributes acceptance sampling."

No special knowledge of statistics or probability is required.

Training Course Fee: \$495 per person if register by July 10, 2008 or \$545 if register after July 10, 2008.

Group and Special Discount: Contact PQC directly to inquire about group discount of 2 or more members from the same company attending. Special discounts are also available for non-profit, government and academia. Contact PQC via phone at 1-805-777-7144 or email at info@pqcconsulting.com.

Payment policy: Payment is due in full at the time of registration. Fee includes breakfast, lunch and refreshments, and all course material. A networking reception is also included on the first evening of the course.

Cancellation/Substitution: Cancellation must be submitted in writing (via mail or fax) up to 30 days prior to start of event and subject to a \$150 processing fee. No refund will be given for cancellation within 30 days of the start of event. Registrant may substitute with any other member of the same company or organization at any time provided that prior written notification is given. See info in blue box p.2

Terms: PQC reserves the right to postpone or cancel the event for any reason. Registrant shall be provided full refund in the event PQC cancels the course.

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Speaker/Presenter:

John F. Haury Ph.D., CQE,
CQM (ASQ certifications)
Applied-Stats.com

John Haury graduated from the University of California, San Diego and then earned a research-based Ph.D. from Harvard University (degrees in biology). John joined H.J.Heinz Foods as a research scientist where he developed a low-calorie French fry for Ore-Ida Foods (a subsidiary of Heinz). Moving his career to fill a need in the food industry, he earned American Society for Quality certifications as a Quality Engineer (CQE -emphasizing statistics) and Quality Manager (CQM) and was promoted to Total Quality Management Statistician at Ore-Ida Foods. As a company statistician and quality improvement consultant, John applied and taught Six Sigma methods. He was the company expert on statistics for continuous improvement of measurement systems, production processes and experimentation. For ten years, John worked for Amgen, Thousand Oaks. He was an Associate Director of Six Sigma and Quality Engineering.

WHO SHOULD ATTEND ?

This course is designed for executives, directors, managers, supervisors, engineers, auditors, inspectors and project managers from aerospace, automotive, medical device, pharma/biotech, electronics, food processing and widget makers too.

Personnel from many functional areas will benefit from this course:

- Suppliers and Contract Manufacturing
- Manufacturing (sampling for success rates)
- Project Management
- Quality Assurance / Quality Engineering
- Quality Control
- Validation (support for confidence statements)
- Regulatory Compliance
- Process Development
- R & D
- IT (evidence of high quality data migration)
- Engineering
- Analytical Labs
- QA / Vendor Audit
- QC, Incoming and Inspection
- Material Release
- Management

COURSE AGENDA

8:00 AM BREAKFAST & REGISTRATION

8:30 AM WELCOME & OPENING REMARKS

Exercises for Enhanced Learning included in each session.

8:45 AM Review ANSI Standard Z1.4 used in Pharmaceuticals, Medical Device, Automotive and Aerospace

9:25 AM How sampling plans actually work. Why they reject material with higher defective and defect levels. How to calculate simple probabilities of rejection

10:15 AM Break

10:30 AM Understanding the two errors associated with accept or reject decisions (one error associated with accept decision -false negative and one associated with reject decision -false positive)

11:00 AM How AQL and its "opposite" ...RQL, relate to above errors. Introduce Operating Characteristic Curve for Single Sampling Attributes Plans

11:45 AM Making confidence statements on the quality level of your process based on attributes acceptance sampling

12:15 PM Lunch

1:30 PM Group Exercise: Propose (validation) confidence statements based on passing single sample attributes acceptance plans

1:45 PM How ANSI Z1.4 tends to ignore RQL and why you should not. How you can establish your own statistically valid attributes sampling plans

2:30 PM Break

3:00 PM How you can use Double Sampling plans to your advantage

3:30 PM Q&A

4:30 PM Course Wrap Up (no later than 5:30 PM)

5:30 PM Networking reception (snacks, soda, coffee for your drive home)

REGISTRATION

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PQC Consulting, Inc. Phone: (805) 777-7144 Email: info@pqcconsulting.com

4 Ways to Register:

CALL PQC at (805) 777-7144

FAX registration form and credit card information to PQC at (805) 777-7749

MAIL registration form and check or credit card information to:

PQC Consulting, Inc.
25 W. Rolling Oaks Dr. Suite 103
Thousand Oaks, CA 91361

EMAIL registration and credit card information to info@pqcconsulting.com

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