



## **“STATISTICAL THINKING EVERYWHERE”**

### **Mission**

- To promote statistical thinking for quality and productivity improvement.
- To serve ASQ, business, industry, academia, and government as a resource for effective use of statistical methods for quality and productivity improvement.
- To Provide a focal point within ASQ for problem-driven development and effective use of new statistical tools and methods.
- To support the growth and development of its members.

### **Vision**

- Our customers' needs will be continuously anticipated and met.
- Our members will be proud to be a part of the Division.
- Our Division's operations will be a model for other organizations.
- We will be a widely influential authority on scientific approaches to quality and productivity improvement.

### **Principles**

- Focus on a few key things.
- Balance short-term and long-term efforts.
- Recognize that we exist for our customers.
- Value diversity (including geographical and occupational) of our membership.
- Be proactive.
- View statistics from the broad view of quality management.
- Apply statistical thinking ourselves (that is, practice what we preach).
- Uphold professional ethics.
- Continuously improve.

### **Current Activities**

Every 3-5 years the ASQ Statistics Division Council meets to develop its next Long-Range Plan. The most recent LRP was conducted following the Fall Technical Conference in Baltimore, MD, on October 18-20, 1997. Current LRP strategies and tactical plans are:

#### **Have a Strong, Vibrant Division Infrastructure**

- Have a good organization design
- Have a good measurement system
  - Develop a Division Balanced Scorecard
- Have a strong communications system
  - Assess Member Needs
  - Become more effective at the local level
    - Created the Section Liaison position

### **Design and Design Selected, Useable Products**

- Create a clearinghouse of available statistical stuff
- Identify and start 3 new publications
- Develop and disseminate Newsletter technical content
- Create and market a portfolio of Short Courses
- Increase the variety and content of Short Courses

### **Demonstrate the Broad Effectiveness of Statistical Thinking**

- Market “Statistical Thinking”
- Collect Case Studies
- Expand Statistical Thinking theory
- Maintain the integrity of Statistical Thinking
- Assist the discovery process
- Identify publishing options

### **Integrate Statistical Thinking into Education & Training Curricula**

- Identify target areas for education
- Present “Statistical Thinking” to the Pegasus project
- Design and develop an on-line Virtual Academy
  - Find a Virtual Academy tactical plan leader

### **Develop a Vibrant Information & Communication System**

- Develop and implement a management measurement process
- Develop and implement a member feedback process
- Develop a marketing planning and communication process
- Develop an Internet/email communication system
- Develop a Web Page strategy policy

One of the ASQ Statistics Division’s key projects is to drive the application of “Statistical Thinking” in all areas. “Statistical Thinking” is defined as a philosophy of learning and action based on the following fundamental principles:

- All work occurs in a system of interconnected processes
- Variation exists in all processes
- Understanding and reducing variation are keys to success.

The ASQ Statistics Division has been actively involved in publication of a basic reference series on statistical techniques in quality control (“*How to...*” series) since it received its charter in 1979. The *Glossary and Tables for Statistical Quality Control* has also been edited by the Statistics Division and is currently in its 3<sup>rd</sup> edition. The major product of the Statistics Division is its *Newsletter* which is mailed to all its members quarterly. Recently, the Statistics Division has launched its Webpage on the Internet. Visit us at <http://www.asqc.com/about/divisions/stats>.

In addition to these projects the Statistics Division continues to be involved with other activities including sponsorship of conferences and Short Courses, maintaining and updating ANSI/ASQC standards, sponsoring young researchers and students to attend key conferences, providing a Speakers List, presenting the William G. Hunter award, and administering the Ott Scholarship.

A Division brochure and membership application, and recent copies of our Newsletter can be obtained from the Statistics Division Membership Chair:

J. L. Madrigal  
Membership Chair-ASQ Statistics Division  
222 TMCB  
Department of Statistics  
Brigham Young University  
Provo, UT 84602

email: [madrigal@byu.edu](mailto:madrigal@byu.edu)

For further information about the Statistics Division, visit our Webpage or contact ASQ in Milwaukee, WI at 1-800-248-1946 (or 1-414 - 272-8575).