



SUPPLIER QUALITY MANUAL

For ISO/TS16949:2009
(Level 1)

Date	4/01/15	Section	SQM
Revision	6	Page	1 of 8
Plant	Greenville, SC		

General Introduction

Standard Motor Products, Inc. Greenville Operations (SMP) is a registered TS-16949 facility. SMP has earned a reputation for providing products of consistent quality, competitive prices and flexible production scheduling capacity. Our ability to maintain this reputation greatly depends on the quality of the production materials purchased from our suppliers. For this reason, SMP considers its suppliers valuable assets for the achievement of quality objectives.

Suppliers with short lead times, competitive prices and flexible shipping abilities enable SMP to offer customers the dynamic partnership they have come to expect. Through long term, constructive relationships with suppliers, SMP continuously looks for opportunities to improve the flow of material and information, and ultimately to reduce costs and lead times. Suppliers to SMP must have a commitment to product quality and an understanding of the associated cost of poor quality when delivered to customers.

Our goal is to work closely with both new and existing suppliers to ensure that the quality level of products and services provided by each supplier meet Standard Motor Products, Inc. specifications, requirements, expectations, and satisfaction.

We have set our supplier goals to zero defects and 100% on time delivery, and with cooperation and open communication with our suppliers, we can achieve these goals. This manual is a significant step in developing an open line of communication, by defining our quality and responsiveness expectations

1 Scope

This Supplier Quality Manual describes the supplier quality system implemented and maintained by Standard Motor Products, Inc. Greenville to meet the requirements of ISO/TS16949: 2009.

This manual will apply to all suppliers of Standard Motor Products, Inc. Greenville. (SMP), including distributors of catalog and "shelf" items. Compliance to the requirements within this manual as well as to the general terms and conditions of Purchase Orders is mandatory for all suppliers.

It is the user's responsibility to assure that only the latest revision of this manual is used.

2 SMP Quality Policy

SMP Greenville Management Team, with executive responsibility, has defined the organization's quality policy and commitment to quality as follows:

- **TOTAL CUSTOMER SATISFACTION** – We ensure total customer satisfaction, focused on understanding and satisfying our customer's needs.
- **CONTINUOUS IMPROVEMENT** – We will continuously improve products, processes and service through investigation, analysis, development, training and implementation of practices that will continually place SMP above our competitors.
- **EMPLOYEE EMPOWERMENT** – All employees are empowered to perform an effective and efficient role in controlling the quality of products and services provided.

Ford Motor Company Supplier Quality Manual Characteristic

Douglas B. Relyea



Ford Motor Company Supplier Quality Manual Characteristic:

The Practical Application of the Process Capability Study Douglas B. Relyea, 2011-04-15 Creating a universal language for problem solving The Practical Application of the Process Capability Study Evolving from Product Control to Process Control delineates the process capability study a powerful tool that when understood and implemented provides benefits to every department within a manufacturing organization With easy to read step by step flow diagrams on how to perform process capability studies and measurement process analyses the book s coverage includes The benefits of statistical process control over statistical product control Real world industrial examples and case studies illustrating how to use the techniques Ways for management to determine if the investment in process capability studies is providing an appropriate return Methods to correct lack of stability and capability once either condition has been identified such as the ANOVA technique and the simple three factor designed experiment A flow chart that enables machine operators to execute a process capability study without interfering with productivity A great deal of information is available on the technical concepts of the process capability study much of it emphasizing the mathematics Unfortunately concentrating on the math and fine distinctions such as the difference between alpha and beta type errors has created barriers preventing many from fully appreciating the basic concepts the simplicity and the usefulness of the tool This book shows you how to use the process capability study to increase return on investment from your statistical process control Six Sigma effort and make your company more competitive **QS-9000 Handbook** Jayanta Bandyopadhyay, 1996-04-01 Here is a survival strategy for suppliers to the automotive industry With QS 9000 serving as the new harmonized quality systems requirement of internal and external suppliers for Chrysler Ford General Motors as well as other automobile and truck manufacturers and assemblers the QS 9000 Handbook is your practical guide for achieving registration Any company that wishes to achieve registration must provide evidence of quality production to third party audits of the registrar The QS 9000 Handbook will do just that as well as show you how to document your quality systems train personnel in quality and improve the effectiveness of any independent quality assurance functions inside your operation **Unlocking Ford Secrets** L. P. Sullivan, J. A. Manoogian, 2009-06-01 Unlocking Ford Secrets written by retired Ford quality experts will help suppliers successfully consolidate operations through the integration of all design engineering and manufacturing functions for improved capabilities at lower costs The book is an in depth technical textbook designed to provide a proven roadmap for automotive companies and suppliers to improve the quality and reliability of their products while effectively consolidating suppliers and manufacturing locations in order to create best in class products to increase profitability The book contains hundreds of pages of exclusive content from Dr W E Deming Ford Alpha and other experts and 71 detailed case studies *Automotive Engineering*, 1995 **The ISO/TS 16949 Answer Book** Radley M. Smith, Roderick A. Munro, Ronald J. Bowen, 2004 Quality Systems Update, 1996 **Implementing Six Sigma** Forrest W. Breyfogle, III, 2003-04-07 Das bew hrte Handbuch zum Statistiktool Six Sigma jetzt in neuer aktualisierter Auflage

besprochen werden t glich ben tigte Verfahren und deren Implementation erweiterte Behandlung u a des Benchmarkings mit vielen praxisnahen bungen enth lt Pl ne Checklisten und bersichten h ufig auftretender Fehler *The Quality System* Frank Caplan,2024-12-20 In its second edition the purpose of this handbook is to assist remediation site managers and their operating contractors in ensuring that each remediation system is effectively making progress toward site cleanup objectives and remains protective of human health and the environment **The Quality Calibration Handbook** Jay L.

Bucher,2007-01-01 If a business expects to be a player in their market segment their product s must have the quality expected by their customers This can only be accomplished with test equipment that produces repeatable accurate and traceable measurements and or outputs Without a quality calibration system in place this cannot and will not happen This book is about how to design implement maintain and continuously improve a quality calibration system with all the required documentation traceability and known uncertainty for each and every item of test equipment owned and used by any company large or small It will benefit companies that want to implement a program and also those that already have one in place Some industries have tighter requirements than others on how they treat calibration some are more specific about how their standards are read while being vague about what is needed to meet calibration Is there one tried and true quality calibration system that every organization can use as a foundation for its personalized program There certainly is and The Quality Calibration Handbook describes it By using the quality calibration system outlined and demonstrated any organization can put together its own version to meet its specific requirements and or regulations Quality calibration systems are the very foundation for improving research and development R D production and quality assurance arenas through accurate reliable and traceable calibrations of their test equipment By ensuring the calibration of test equipment used in the production of genetic identity kits used by law enforcement at crime scenes the guilty are often caught and the innocent exonerated Calibrated test equipment used in support of the airline and automotive industries helps prevent disasters At pharmaceutical companies calibration technicians quietly lay the foundation for quality treatments that help keep us healthy cure diseases and sometimes prevent death This book explains why a quality calibration system can be the difference between life and death success and failure andmost important to shareholders and boards of directorsprofit and loss

COMMENTS FROM OTHER CUSTOMERS Average Customer Rating 5 of 5 based on 4 reviews This book offers me the information I need to upgrade the quality of the service I provide to customers It makes the quantum leap between the theory and practice in calibration I needed this applicable and practical information a long time ago A reader in Anchorage Alaska This book is a great and simple reference guide for developing a world class calibration system If you are thinking about revamping your calibration system or developing one this book is a must This book is written by a person sharing his practical experience to less experienced people A reader in Austin Texas Excellent reference for setting up a calibration program or improving your current operations This book is a must read for anyone working in the metrology field A reader in

Springboro Ohio This book is for anyone who wants to learn more about the requirements of a good calibration program It gives easy to understand guidelines and practical advice to help you make your calibration program world class A reader in Putnam Connecticut Total Quality Measurement in the Oil Industry J.D. Symonds,2012-12-06 1 Oxford and Webster s dictionaries 2 give trans Atlantic agreement in English with a common definition for Quality as degree of excellence Compared with the many words taken up by other authors definitions this is remarkably brief and no doubt unsatisfactory to many people Yet if degree means a stage in an ascending or descending series in intensity or in amount then measurement is by definition explicitly required if terms such as quality level good quality high quality etc are to have any real meaning Using measurement is inherent in the methods of all the major writers on the achievement of business improvement through quality Results from measurements allow improvement by using tools commonly grouped under the heading Statistical Process Control SPC Results also form part of the judging criteria of Total Quality Management TQM models such as the Malcolm Baldrige National Quality Award in the USA and the more recent European Quality Award Future revisions of the ISO 9000 series of quality management system standards will specifically require measurement of defects However it is not easy for quality professionals or line managers to find examples of what they should measure and how to do it in their own particular functions in their own particular industries case studies always seem to refer to others The Management and Control of Quality James Robert Evans,William M. Lindsay,1999 This text chapters and content are heavily influenced by the framework and essential content of the Malcolm Baldrige National Quality Award criteria It provides a managerially oriented integrated view as well as a blend of technical topics *Improvement Project Execution* Forrest W. Breyfogle,2008-06 This volume thoroughly documents Integrated Enterprise Excellence IEE benefits and measurement techniques and provides a step by step Project Define Measure Analyze Improve Control P DMAIC roadmap enabling a true integration of Six Sigma and Lean tools **Measuring Process Capability** Davis R. Bothe,1997 **Integrating QS-9000 with Your Automotive Quality System** Dean H. Stamatis,1996 An overview and critical interpretation of the ISO 9000 series standards and the QS 9000 requirements for those who are new to the topic Coverage includes creation of an implementation strategy using a project management approach developing a training curriculum for ISO 9000 and QS 900 and speci **Failure Analysis - Structural Health Monitoring of Structure and Infrastructure Components** Gobinath Ravindran,Vutukuru Mahesh,Moustafa Moufid Kassem,2023-10-18 Failure Analysis Structural Health Monitoring of Structure and Infrastructure Components is a collection of chapters written by academicians researchers and practicing engineers from all over the world The chapters focus on some developments as well as problems in structural health monitoring SHM in civil engineering structures and infrastructures The book covers a variety of multidisciplinary topics including SHM risk analysis seismic analysis and various modeling and simulation methodologies This book is an excellent resource for undergraduate and postgraduate students academics and researchers across a wide variety of engineering disciplines as well as for practicing

engineers and other professionals in the engineering industry *Quality System Requirements, QS-9000* ,1998

Automotive Supplier 99 Rapra Technology,1999 **Quality Assured Measurement** Leslie Pendrill,2019-10-24 This book presents a general and comprehensive framework for the assurance of quality in measurements Written by a foremost expert in the field the text reflects an on going international effort to extend traditional quality assured measurement rooted in fundamental physics and the SI to include non physical areas such as person centred care and the social sciences more generally Chapter by chapter the book follows the measurement quality assurance loop based on Deming s work The author enhances this quality assurance cycle with insights from recent research including work on the politics and philosophy of metrology the new SI quantitative and qualitative scales and entropy decision risks and uncertainty when addressing human challenges Man as a Measurement Instrument and Psychometry and Person centred care Quality Assured Measurement Unification across Social and Physical Sciences provides students and researchers in physics chemistry engineering medicine and the social sciences with practical guidance on designing implementing and applying a quality assured measurement while engaging readers in the most novel and expansive areas of contemporary measurement research *Purchasing Buying Quality* Anonymous,1990 *The QS-9000 Answer Book* Radley M. Smith,1996 No one s better qualified to explain QS 9000 than Radley Smith the co author of the QS 9000 standard The QS 9000 Answer Book explains in clear concise language what QS 9000 is how it works and how it will affect your organization Smith walks readers through QS 9000 s three sections and provides insight into common audit problems and how to avoid them In addition common QS 9000 questions are answered

Ford Motor Company Supplier Quality Manual Characteristic: Bestsellers in 2023 The year 2023 has witnessed a remarkable surge in literary brilliance, with numerous captivating novels enthralling the hearts of readers worldwide. Lets delve into the realm of top-selling books, exploring the captivating narratives that have charmed audiences this year. The Must-Read : Colleen Hoover's "It Ends with Us" This touching tale of love, loss, and resilience has gripped readers with its raw and emotional exploration of domestic abuse. Hoover skillfully weaves a story of hope and healing, reminding us that even in the darkest of times, the human spirit can triumph. Uncover the Best : Taylor Jenkins Reids "The Seven Husbands of Evelyn Hugo" This spellbinding historical fiction novel unravels the life of Evelyn Hugo, a Hollywood icon who defies expectations and societal norms to pursue her dreams. Reids captivating storytelling and compelling characters transport readers to a bygone era, immersing them in a world of glamour, ambition, and self-discovery. Ford Motor Company Supplier Quality Manual Characteristic : Delia Owens "Where the Crawdads Sing" This evocative coming-of-age story follows Kya Clark, a young woman who grows up alone in the marshes of North Carolina. Owens spins a tale of resilience, survival, and the transformative power of nature, captivating readers with its evocative prose and mesmerizing setting. These popular novels represent just a fraction of the literary treasures that have emerged in 2023. Whether you seek tales of romance, adventure, or personal growth, the world of literature offers an abundance of captivating stories waiting to be discovered. The novel begins with Richard Papen, a bright but troubled young man, arriving at Hampden College. Richard is immediately drawn to the group of students who call themselves the Classics Club. The club is led by Henry Winter, a brilliant and charismatic young man. Henry is obsessed with Greek mythology and philosophy, and he quickly draws Richard into his world. The other members of the Classics Club are equally as fascinating. Bunny Corcoran is a wealthy and spoiled young man who is always looking for a good time. Charles Tavis is a quiet and reserved young man who is deeply in love with Henry. Camilla Macaulay is a beautiful and intelligent young woman who is drawn to the power and danger of the Classics Club. The students are all deeply in love with Morrow, and they are willing to do anything to please him. Morrow is a complex and mysterious figure, and he seems to be manipulating the students for his own purposes. As the students become more involved with Morrow, they begin to commit increasingly dangerous acts. The Secret History is a brilliant and suspenseful novel that will keep you wondering until the very end. The novel is a warning tale about the dangers of obsession and the power of evil.

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