

## Ford Motor Company Customer-Specific Requirements

#### For use with PPAP 4.0

#### Scope

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PPAP 4.0 is applicable to organizations supplying all regions within Ford Motor Company and Joint Ventures. Wherever the term "Ford" is used throughout this document, it refers to "Ford Motor Company" and its Joint Ventures.

#### References

Note: unless otherwise noted, all references listed throughout these Ford Specific Requirements refer to the latest edition.

# References available through Automotive Industry Action Group, AIAG

- APQP forms disk
- CQI-9 "Special Process: Heat Treat System Assessment".
- CQI-19 AIAG Sub-tier Supplier Management Process Guideline.
- International Automotive Task Force ISO/TS 16949, Quality Management Systems Particular Requirements for the Application of ISO 9001 for automotive production and relevant service part organizations
- Chrysler, Ford Motor Company, General Motors Corp. Advanced Product Quality Planning reference manual
- Chrysler, Ford Motor Company, General Motors Corp, Measurement Systems Analysis reference manual
- DuimlerChrysler, Ford Motor Company General Motors Corp. Production Part Approval Process (PPAP).
- Chrysler, Ford Motor Company, General Motors Corp. Statistical Process Control (SPC) reference manual.

# **Ford Ppap Guide**

**Chad Kymal** 

#### **Ford Ppap Guide:**

The ISO/TS 16949 Implementation Guide Chad Kymal, 2004 **Advanced Product Quality Planning** D. H. Stamatis, 2018-11-12 This book defines develops and examines the foundations of the APOP Advanced Product Quality Planning methodology It explains in detail the five phases and it relates its significance to national international and customer specific standards It also includes additional information on the PPAP Production Part Approval Process Risk Warranty GD T Geometric Dimensioning and Tolerancing and the role of leadership as they apply to the continual improvement process of any organization Features Defines and explains the five stages of APQP in detail Identifies and zeroes in on the critical steps of the APQP methodology Covers the issue of risk as it is defined in the ISO 9001 IATF 16949 the pending VDA and the OEM requirements Presents the role of leadership and management in the APQP methodology Summarizes all of the change requirements of the IATF standard Automotive Quality Systems Handbook David Hoyle, 2000-07-28 The Automotive Quality Systems Handbook is a step by step guide to interpreting and implementing the ISO TS 16949 Accepted by major vehicle manufacturers as an alternative to the existing US German French and Italian automotive quality system requirements this Technical Specification defines specific requirements for the application of ISO 9001 1994 throughout the automotive supply chain While initially the standard will be voluntary for the first time second and third tier suppliers may be faced with pressure to undergo third party registration After the year 2000 the next version of the standard has actually replaced the four existing standards AVSQ EAQF QS 9000 and VDA 6 1 and the price of entry to the global automotive market is conformance to this new standard This handbook is an essential and comprehensive guide to enable organizations to interpret and implement the ISO TS 16949 Unlike other books on the subject each element clause and requirement is analyzed in detail with quidance provided for its implementation. The handbook is written primarily for implementers and discerning managers for instructors and auditors and contains a range of solutions that would be acceptable in the automobile industry It includes details of the certification scheme the differences with existing standards check lists questionnaires tips for implementers flow charts and a glossary of terms This book gives more than an overview it tells how you to do it Contains detailed instructions and check lists for implementationAddresses all ISO requirements

**Automotive Process Audits** D. H. Stamatis,2021-04-29 With a detailed discussion on the preparation and tools needed for an automotive process audit this book addresses the fundamental issues and concerns by focusing on two objectives explaining the methods and tools used in the process for the organization and provide a reference or manual for dealing with documenting quality issues This book addresses the fundamental issues and concerns for a successful automotive process audit and details specifically how to prepare for it It presents a complete assessment of what an organization must do to earn certification in ISO standards industry standards and customer specific requirements It also focuses on the efficiency of resources within an organization so that an audit can be successful and describes the methodologies to optimize the process

by knowing what to do what to say and how to prove it A road map is offered for the process audit and the layered audit and defines a clear distinction between the preparation details for each This book is intended for those that conduct audits those who are interested in auditing and those who are being audited It specifically addresses how to prepare for an automotive process audit for readers who are involved in quality manufacturing and operations management and those who work with suppliers Automotive Internal Auditor Pocket Guide Roderick A. Munro, 2004-06-30 This pocket guide is an essential resource for anyone in the automotive industry It's designed to be used as a reference manual for conducting internal audits to ISO TS 16949 2002 using a new process approach The book will assist internal auditors with planning and performing process audits in order to become more effective as an auditor and satisfy top management auditees and external customers It includes practical case studies the bodies of knowledge for the ASQ CQIA and CQA certifications a glossary of terms and a list of acronyms When my former company arranged internal auditor training I received this handbook We were able to set up our programs and for the first two audits we maintained a very good score as I remember no majors or minors I have used and abused this book and am planning to order a replacement I would not want to be without it in my field it is an easy to use guide on the floor A reader in New Bedford MA The Quality Improvement Field Guide Matthew A. Barsalou, 2017-09-28 The Quality Improvement Field Guide Achieving and Maintaining Value in Your Organization covers the key aspects that quality professionals must know to attain mastery in their field After reading this book readers will not only gain an understanding of the key quality improvement concepts but will gain the practical insight required to implemen The ISO/TS 16949 Answer Book Radley M. Smith, Roderick A. Munro, Ronald J. Bowen, 2004 **Passing Your ISO** 9000/OS-9000 Audit Don Sanders, 1997-08-14 By mid 1996 over 10 000 companies in the United States had achieved ISO registration a staggering jump from the 100 registered at the end of 1991 Why the explosive growth For many ISO registration acts as proof that the company has an outstanding and continuously improving quality process As registration continues to grow at a rate of more than 400 companies a month it's clear that the ISO QS phenomenon shows no sign of slowing down To become ISO QS 9000 registered a company needs an effective plan Because the average process can take 12 to 18 months it s important to know exactly what steps need to be taken from start to finish And that s where this book comes in Passing Your ISO 9000 QS 9000 Audit is a clearly written step by step guide to passing the external audit and getting your company ISO QS 9000 registered Passing Your ISO 9000 QS 9000 Audit is ideal for ISO champions and management representatives those individuals within a company charged with implementing the ISO QS 9000 process as well as corporate executives interested in knowing more about the program Using this book as a guide any ISO champion should be able to effectively prepare his or her company for successful ISO registration Guidelines for Failure Mode and Effects Analysis (FMEA), for Automotive, Aerospace, and General Manufacturing Industries Dyadem Press, 2003-03-03 These quidelines form a comprehensive overview of Failure Mode and Effects Analysis FMEA and examines why FMEA has become

a powerful and respected analytical technique for effectively managing and reducing risks Readers learn how to use FMEA throughout the life cycles of their product to improve customer satisfaction and assure safety and regulatory compliance. They will obtain sound advice on selecting a study team setting up and conducting a study and analyzing the results Other topics include Failure Mode Effects and Criticality Analysis Risk Management Planning Advanced Quality Planning Product Quality Control Plans and Dynamic Control Plans Reliability Modeling: The RIAC Guide to Reliability Prediction, Assessment and Estimation William Denson,2006 The intent of this book is to provide guidance on modeling techniques that can be used to quantify the reliability of a product or system In this context reliability modeling is the process of constructing a mathematical model that is used to estimate the reliability characteristics of a product There are many ways in which this can be accomplished depending on the product or system and the type of information that is available or practical to obtain This book reviews possible approaches summarizes their advantages and disadvantages and provides guidance on selecting a methodology based on the specific goals and constraints of the analyst While this book will not discuss the use of specific published methodologies in cases where examples are provided tools and methodologies with which the author has personal experience in their development are used such as life modeling NPRD MIL HDBK 217 and the RIAC 217Plus Introduction

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