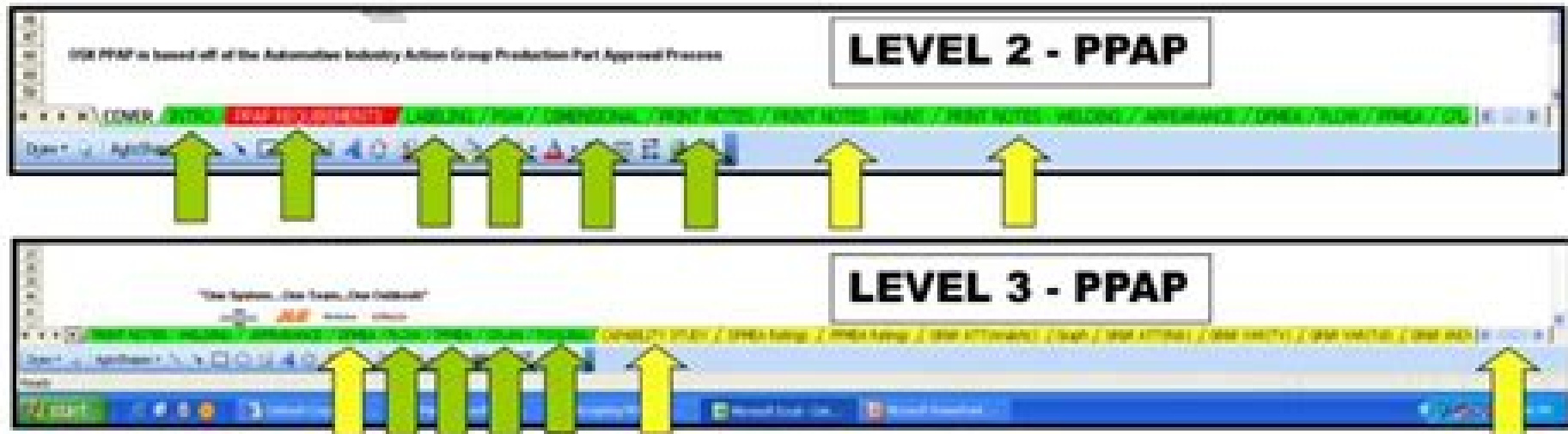


PPAP Workbook – Level 3 Requirements



- | | |
|--|---|
| Same Requirements as Level 2 with the following additional requirements: | |
| DFMEA | Design Failure Mode Effects Analysis is required if the Supplier is design responsible. |
| FLOW DIAGRAM | Process Flow diagram is required to outline and standardize the production process that is being approved. This should outline the entire process that is being used to manufacture the component & assembly. |
| PFMEA | Process Failure Mode Effects Analysis is required to be conducted to understand all the potential failure modes and mitigate those failure modes. |
| CONTROL PLAN | The control plan is to be used to document and be used on the shop floor to monitor and control the standardized manufacturing process being approved. |
| TOOLING | This sheet is used to visually document any Customer owned tooling. |
| CAPABILITY STUDY | This sheet is to be used to show evidence the production process is capable to meet the design intent. This is required when Critical Characteristics are identified on the print or other wise specified by Oaktech Corporation. |
| Gage R&R | This sheet is to be used to show evidence that the measuring method used for the capability studies is repeatable and reproducible. |



Level 3 Ppap Manual

Kenneth Lee Pike



Level 3 Ppap Manual:

Practical Auditing Techniques for ISO/TS-16949 Raymond Ness, 2003 A pragmatic approach to the field of auditing for automotive industry auditors This book is also helpful to educate internal auditors and anyone who is involved with automotive production worldwide The contents are to the international specification from Geneva Switzerland IOS The book is aimed for those personnel in the technical field It is a step by step format with anecdotal references to actual occurrences from real experience in the auditing field

Dimensional Management Mark A. Curtis, 2002 A primer for college engineering and technology students and a handbook for professionals who want to optimize the interchangeability of multi component manufactured products Curtis technology and applied science Northern Michigan U describes manual and computer aided dimensioning and toleranc

Production Part Approval Process (PPAP), 2000 **Quality Planning and Assurance** Herman Tang, 2021-11-23 QUALITY PLANNING AND ASSURANCE Discover the most crucial aspects of quality systems planning critical to manufacturing and service success In Quality Planning and Assurance Principles Approaches and Methods for Product and Service Development accomplished engineer Dr Herman Tang delivers an incisive presentation of the principles of quality systems planning The book begins with an introduction to the meaning of the word quality before moving on to review the principles of quality strategy and policy management The author then offers a detailed discussion of customer needs and the corresponding quality planning tasks in design phases as well as a treatment of the design processes necessary to ensure product or service quality Readers will enjoy explorations of advanced topics related to proactive approaches to quality management like failure modes and effects analysis FMEA They ll discover discussions of issues like supplier quality management and the key processes associated with quality planning and execution The book also includes A thorough introduction to quality planning including definitions discussions of quality system and an overview of the planning process A comprehensive exploration of strategic planning development including strategic management risk management and analysis and pull and push strategies Practical discussions of customer centric planning including customer oriented design quality function deployment and affective engineering In depth examinations of quality assurance by design including the design review process design verification and validation and concurrent engineering Perfect for senior undergraduate and graduate students in technology and management programs Quality Planning and Assurance will also earn a place in the libraries of managers and technical specialists in a wide range of fields including quality management

QS-9000 Answer Book Rob Kantner, 1997-01-02 An in depth accessible guide to the intricacies of QS 9000 With QS 9000 certification deadlines just around the corner you want to be sure your company is on the right track to meeting requirements This timely and indispensable guide answers the most commonly asked questions about QS 9000 compliancy offering in depth explanations as well as capsule answers for quick reference What are the characteristics of a QS 9000 quality system A QS 9000 quality system is a documented self improving union of resources and activities that governs every

aspect of a process that affects quality What firms are required to register with QS 9000 Direct suppliers of production materials parts or key finishing services and certain other suppliers must register What are the advantages or benefits of QS 9000 registration It improves customer confidence provides access to markets improves competitive standing and reduces supplier quality assurance program costs What quality tools and techniques are mandated by QS 9000 QS 9000 requires the use of mistake proofing methods disciplined problem solving methods and the use of cross functional teams for decision making What are some of the common perils and pitfalls to effective system implementation Pitfalls you should avoid include trying to implement from the bottom up doing just enough to get registered getting carried away with documentation and springing the system on the work force all at once

Project Management for Mobility Engineers: Principles and Case Studies Angelo Mago, 2020-03-17 Project Management for Mobility Engineers Principles and Case Studies provides the latest training workshops and support consultation to Design and Development companies to optimize their New Product Development NPD strategies organizational structures and Design Document Management Systems to respond to the fast paced and ever evolving demands and challenges facing today's mobility companies

Demonstration Laboratory Manual Ronald C. Tollafeld, Constance C. Janssen, 1953

ISO 9000 Quality Management System Design Jay J. Schlickman, 1998

Quality Systems Update, 1995

Automotive Engineering, 1995

Integrating QS-9000 with Your Automotive Quality System D. H. Stamatis, 1999 This detailed reference was the first of its kind to discuss the requirements for QS 9000 certification Written for automotive suppliers and manufacturers responsible for developing a quality strategy for achieving high quality standards this book serves as an overview and critical interpretation of the ISO 9000 quality standards and the QS 9000 requirements In this revised and expanded edition to his best selling book Integrating QS 9000 with Your Automotive Quality System D H Stamatis explains the changes to the QS 9000 requirements the author also introduces some issues regarding the applicability of audits and auditors to the industry perspective Two new chapters dealing with auditors and auditing have been added to address concerns most often expressed by those involved with an evaluation A new chapter discusses the environmental impacts relating to QS 9000 and the role ISO 14000 plays in the QS 9000 arena the VDA 6 German requirement is also introduced You'll find a full quality manual QM to demonstrate how a QM can be written in a paragraph format combining the elements with the subelements of the standard Two revised appendices offer an overview of the production part approval process PPAP and the advanced product quality planning process APQP

Laboratory Manual for Pike's Phonemics Kenneth Lee Pike, 1954

ISO 9000 Perry Lawrence Johnson, 1997 Firms that have received a certificate of ISO 9000 effectively have been quality rubber stamped at the global level This handbook shows how to meet this coveted standard and how to maintain quality standards so as to keep it

Subject Guide to Books in Print, 2001

Michigan Aviation, 1979

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 **Mergent International Manual** ,2003 **Thomas Register of American Manufacturers** ,2003 Vols for 1970 71 includes manufacturers catalogs From Research to Printout John H. White,1997 This book provides a step by step guide to the process of communicating effectively Using narratives illustrations and actual industry examples the author gives practical information that you will use daily Organized in sequential order the book presents eight basic types of technical documents business letters e mails memorandum faxes scientific and technical reports procedure proposals and training manuals **The Journal for Quality and Participation** ,2000

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