IATF 16949 REFRESHER SERIES

ISO9001 requirements are included FOC

FREE!!! See page 9



the most comprehensive package

- 5 core tolls series are designed to focus on frequently asked questions by auditors, basic notes and lectures are skipped and focus on key concepts so the number of training days can be reduced by half.
- ISO and IATF requirements are delivered in pictorial and grafical form for better understanding. No more going throiugh the standard line by line.
- Validation of all 18 Documented Process + Documented System as required in IATF 16949.

info@albrainy.com

- Review all 11 mandatory records in IATF 16949.
- Evaluation of all 16 mandatory documented information as required by IATF 16949.
- Mapping all new and modified elements of ISO9001 and IATF 16949.

THIS PACKAGE CONSIST OF 6 COURSES...



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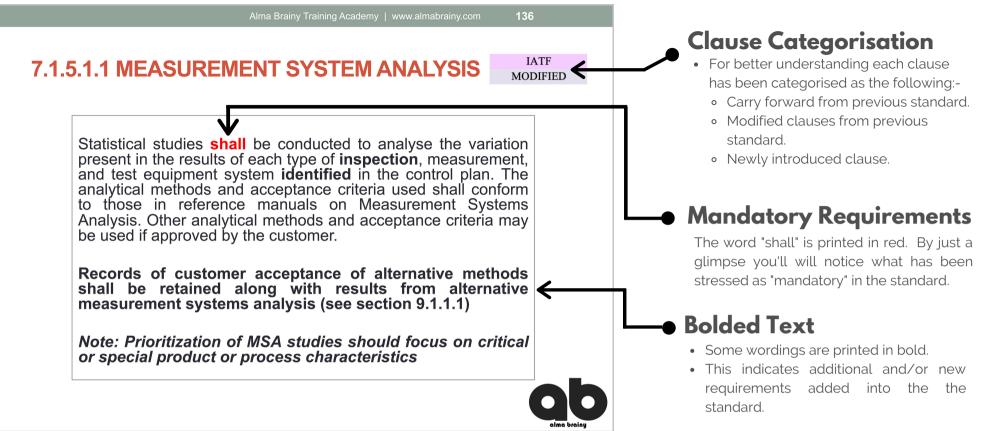




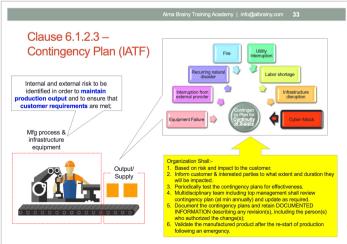
a quick overview of key **deliverables** from each course

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SYNOPSIS **IATF AND ISO REQUIREMENTS** 2.5 Days | IN-HOUSE | 25 PAX (MAX)



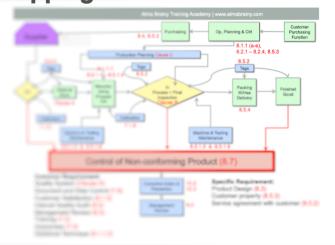
Pictorial Explanation



The lenghty wording from the standard has been transformed into pictorial and graphical explanation for easy understanding.

> Each clause is mapped with its relevant operation in in the entire manufacturing process

Mapping of Each Clause



SYNOPSIS IATF AND ISO REQUIREMENTS

2.5-day course in-house 0900-1700 25pax (max)

OVERVIEW

- ISO and IATF is combined into 2.5 days course.
- Reduction in training days is possible due to the standard has been summarized in pictorial form rather than going through the standard line by line.
- Focus given on clauses that is prone to NC findings.
- Best practices are shared during the session.
- Claim your FREE gift upon enrolling. See Page 9

KEY DELIVERABLES

7.1.5.1.1 MEASUREMENT SYSTEM ANALYSIS

Statistical studies **shall** be conducted to analyse the variation present in the results of each type of **inspection**, measurement, and test equipment system **identified** in the control plan. The analytical methods and acceptance criteria used shall conform to those in reference manuals on Measurement Systems Analysis. Other analytical methods and acceptance criteria may be used if approved by the customer.

Records of customer acceptance of alternative methods shall be retained along with results from alternative measurement systems analysis (see section 9.1.1.1)

Note: Prioritization of MSA studies should focus on critical or special product or process characteristics

Mandatory

Requirements glimpse you'll will notice what has been stressed as "mandatory" in the standard.

Clause Categorisation

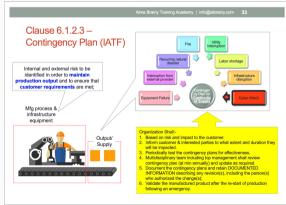
- For better understanding each clause has been categorised as the following:-
 - Carry forward from previous standard.
 - Modified clauses from previous standard.
 - Newly introduced clause.

Bolded Text

ab

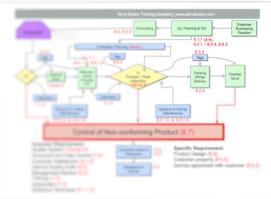
- Some wordings are printed in bold.
- This indicates additional and/or new requirements added into the the standard.

Pictorial Explanation



The lenghty wording from the standard has been transformed into pictorial and graphical explanation for easy understanding.

Mapping of Each Clause



Each clause is mapped with its relevant operation in in the entire manufacturing process

1-day course in-house 0900-1700 25pax (max)

SYNOPSIS

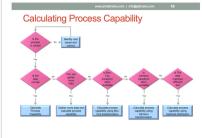
SPC

OVERVIEW

- Training duration reduced to **one-day**.
- All basic training content like mathematical calculation, basic concept of statistics are dropped.
- Focus is given to SPC application and implementation in manufacturing industry.
- A complete review of how to deal with day to day issues related to SPC understanding and application.

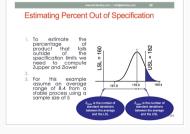
KEY DELIVERABLES

LEARN TIPS AND TACTICS



- Not all process has a capability index. Learn at what scenario a capability index shall and shall not be calculated.
- Understand the process flow in order to deal with abnormal data before calculating process capability.
- Learn how to answer customer and/or auditor if they insisit for capability index.

MANIPULATING CPK INDEX



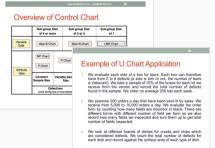
 Make full use of your Cpk index.
Predict the yield trend and/or your supplier delivery performance by just evaluating the Cpk value.

PICTORIAL EXPLANATION

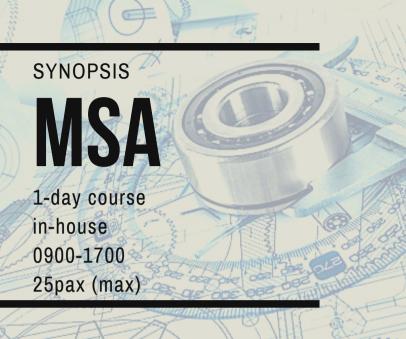


- Easy to understand using pictorial explanation to **calculate** and **differentiate** Cp, Cpk and Pp, Ppk.
- Throughly explained the usage of Cpk or Ppk in PPAP submussion.

MAP THE CONTROL CHART



- It is wrong to say only process with variables data can be control via SPC.
- Learn various types of control chart and its utilization

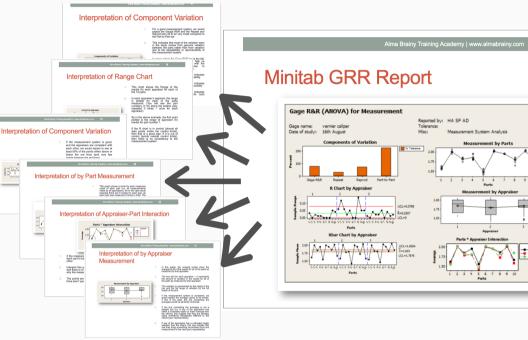


OVERVIEW

- Training duration reduced to oneday.
- All basic training content like mathematical calculation, basic calculation in MSA are dropped.
- Focus is given on interpating MSA results via 6-pax graphs.
- A complete study on attribute MSA (new requirements in IATF 16949).

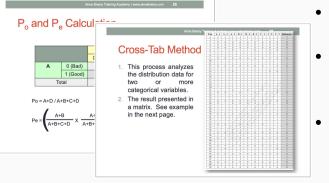
KEY DELIVERABLES

VARIABLES MSA RESULT INTERPRETATION



- A complete guide on how to interpret the Variables MSA result together with examples and graphical explanation.
- Example are given for both "Good" and "Bad" condition.

FULL UNDERSTANDING OF ATTRIBUTE MSA (NEW REQUIREMENT IN IATF 16949)



- Attribute MSA has been made mandatory in IATF 16949.
- Focus is given on performing attribute MSA and interpreting the results.
- Excecise on calculating Kappa value.

synopsis FMEA

2-day course (or 1-day course for AIAG FMEA) in-house 0900-1700 25pax (max)

OVERVIEW

- New course that requires two-full day of training.
- Focus is given on the new elements in VDA-AIAG manual.
- Training is done in a workshopbased environment.
- Example of an actual VDA-AIAG VDA is shared with the participants..

KEY DELIVERABLES

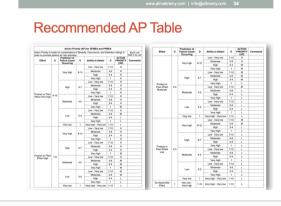
INTRODUCING THE 7 STEPS APPROACH

The 7 Steps Approach



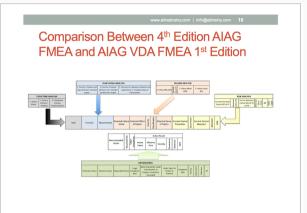
- Learn the 7 steps of FMEA approach as introduced by VDA & AIAG.
- Construct the FMEA via these steps.

FULL EXPLANATION ON AP TABLE (COPY PROVIDED)



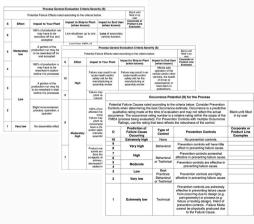
- RPN has been replaced by AP table.
- Full analysis and explanation on understanding the AP table.

VDA-AIAG FMEA MAPPING



• FMEA mapping is the easiest way to help participant to understand how is the new VDA-AIAG FMEA to be constructed.

REDEFINING S,O & D (COPIES PROVIDED)



- S,O & D have been completely redefined.
- Each definition will be explained thoroughly.

7

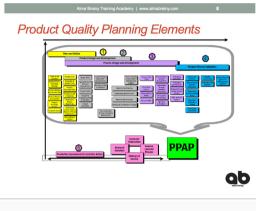
SYNOPSIS APQP & PPAP

1-day course for each in-house 0900-1700 25pax (max)

OVERVIEW

- Training duration reduced to oneday.
- APQP and PPAP are interrelated, thus these tools are now combined into 1 single course (1 day each course)
- Focus is given on 5 phases of APQP and how it relates to PPAP requirements.
- Real example of APQP & PPAP will be reviewed.

KEY DELIVERABLES

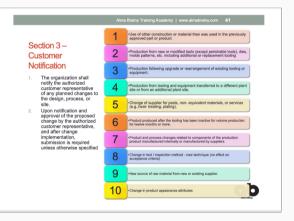


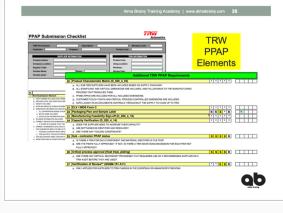
COMBINNG APQP AND PPAP AS ONE COURSE

- Combine APQP and PPAP in one course to ensure fluidity of knowledge transfer within these two subject.
- Map how and where the PPAP element take place throughout the five phases of APQP.

SUMMARIZING THE BLUE BOOKS

• All the important points from the AIAG blue books were summarised, highlighted and presented in point form for easy understanding.





REVIEW OF ACTUAL APQP & PPAP

- Several PPAP example from various manufacturer and automaker will be reviewed.
- Lesson learnt from these APQP and PPAP are to be discussed with participants.

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info@albrainy.com www.almabrainy.com

