

Share & Care – December 2020

By Sri Padhmam Consultancy & Training

Core Automotive tools																											
#	Word puzzle																									Evil	
1	A document, which will be used through out the new product development process																										
			Q	P		T			I	N		P			N												
2	Measurement Systems Analysis (MSA) goes by this important principle. An acronym																										
		W	I																								
3	Statistical Process Control (SPC) focuses these 2 requirements in any manufacturing process																										
	P	R				S	I			&	A	C									C	Y					
4	One of the PPAP requirements																										
			S	T			S			P		E															
5	One of the attribute studies of MSA. Should not be more than 20 %																										
	G	R				A			A		A		A	L		S	I										
6	One of the important activities of Phase 2 in APQP journey. 2 acronyms																										
	D						M																				
7	It will help process FMEA team to identify all possible failure modes.																										
				E			E			F			A														
8	Being done to prove the design concept. A hardware during the NPD																										
	P			T		T	Y		E		S		M		L		S										
9	All the phases of APQP process is aligned to this cycle																										
	P			A																							
10	RPN has been replaced by this, in the new version of FMEA.																										
				I	O			P		I		R				Y											



Core Automotive tools





#	Word puzzle : Right answers	EvIn
1	A document, which will be used through out the new product development process	
	A P Q P T I M I N G P L A N	
2	Measurement Systems Analysis (MSA) goes by this important principle. An acronym	
	S W I P E	
3	Statistical Process Control (SPC) focuses these 2 requirements in any manufacturing process	
	P R E C I S I O N & A C C U R A C Y	
4	One of the PPAP requirements	
	M A S T E R S A M P L E S	
5	One of the attribute studies of MSA. Should not be more than 20 %	
	G R E Y A R E A A N A L Y S I S	
6	One of the important activities of Phase 2 in APQP journey. 2 acronyms	
	D F A D F M	
7	It will help process FMEA team to identify all possible failure modes.	
	R E V E R S E F M E A	
8	Being done to prove the design concept. A hardware during the NPD	
	P R O T O T Y P E S A M P L E S	
9	All the phases of APQP process is aligned to this cycle	
	P D C A	
10	RPN has been replaced by this, in the new version of FMEA.	
	A C T I O N P R I O R I T Y	



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2	Analytical Tools for Improvements Stage 2	4 hours & 50 min	Rs. 1500/-		
3	QMS ISO9001:2015 Stage1	6 hours	Rs. 1500/-		
4	Control Plan Methodology	1 hr & 40 min	Rs. 1200/-		
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Analytical Tools for Improvements Stage 1 (7QC & New 7QC Tools)

- Base 1
- Base 2
- Check Sheet
- Pareto Diagram
- Stratification
- Flow Charts
- Affinity Diagram
- Relation Diagram

Analytical Tools for Improvement Stage 2 (7QC & New 7QC Tools)

- Histogram
- Normality Test
- Box Plot
- History of New 7 QC Tools
- Tree Diagram
- Matrix Diagram
- Matrix Data Analysis
- Likert Scale Methodolgy

QMS ISO 9001:2015 Stage 1 (a base for IATF16949:2016)

- Fundamentals
- What is ISO?
- Seven Management Principles
- Process Approach & PDCA Cycle
- Certification & Documentation Overview
- Clauses Overview
- Link between ISO 9001 & IATF16949
- ISO 9001:2008 Vs ISO 9001:2015

Control Plan Methodology as per IATF 16949:2016

- Fundamentals
- Preparation of Control Plan
- Types of Processes
- How to construct Control plan ?

Problem Solving Methodology

- Basics
- Fundamentals
- Tools and Techniques used
- A deep dive on 12 step approach
- A case study
- 8D Methodology
- Introduction to DMAIC
- Good PSM Practices

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✉ support@sripadhmam.com



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