Master QPO UTC -2017 www.utc.fr/master-qualite, travaux, Ref. 431

t0+3

weeks

Proposed

Documented

Information

Discussion

Methodology

TRIZ 5 basic principles:

It gets people to think

"out of the box" to

achieve an ideal end

result

Less is more

Encourages breakthrough design.

Search for

fundamental •

contradictions

Technology

forecasting: It allows

to establish the

direction of the

project [10][11].

Groups

(DIDG).

tool:

Methodology

1

1. Find

create

interested

people to

the DIDG

dans les Organisations

Context **Automotive Industry**



The Global automotive market's demand is likely to remain stable, China alone represents onethird[1].

How to keep the stable economy?

As the cost of technology in ✓ vehicles increases, profit from vehicles sales is likely to deteriorate considerably [3].

Volume growth and higher margins that can be commanded by areas such as moving fast in order to mobility will allow the organizations to enjoy healthier margins [3].

The Opportunity to Improve the Document Management System

Identify the Quality **Documented** Information Pyramid

Policy and Strategic Objective Business Value Alignment. Quality Manual, Quality police statement.

Defined Processes. performance measures that define the value identified.

Operating Procedures, Work Instructions

Control and Maintenance, Tests, training programs, checklists, forms

Records, operational information

The Documentation requirements

- **IATF 16949** ISO 9001
- ISO 30300 and ISO 30301 Information and

requirements) [5].

documentation --Management systems for records -(Fundamentals. vocabulary and

Potential Risks and their effects

week Proposed tool: Failure Mode Effect Analysis (FMEA).

Identify the Potential Failures

Potential Failure Mode	Potential Effect of Failure		
	Not right		
Low quantity of updated documents	information in the		
	document system		
Unnecessary information	Loss of employee's		
Offilecessary information	work time		
Duplicated documents	Loss of potential		
	storage		
	Document has no		
**- 1 1 1	compliance with		
Undervaluing document preparation	internal		
	requirements		
Difficulty to find the right information	Operational errors		
Lack of interest to review the existing	Weak transfer of		
documentation	knowledge		
D	Difficulty to		
Documentation created just to be understood for the creator	understand		
	information		
Poor cooperation between	No information-		
departaments	sharing		

Risk Assessment

 $Risk = P \cdot S$

Process	Potential Failure Mode	Potential Effect of Failure	Severity (5)	Potential Cause	Probability of occurrence (F)	Risk Priority Number (R = 5-F)
Records Mantenance	Low quantity of updated documents	Not right information in the document system	3	methodology to do the ented information	4	12
	Unnecessary information	Lass of employee's work time	2		3	6
	Duplicated documents	Loss of potential storage	1	thedo on in	4	4
	Undervaluing document preparation	Document has not compliance with internal requirements	3	having a motivating maintenance me review and update of the document	2	6
	Difficulty to find the right information	Operational errors	5		4	20
	Lack of interest to review the existing documentation	Weak transfer of knowledge	4		5	20
	Documentation created just to be understood for the creator	Difficulty to understand information	5		5	25
	Foor cooperation between departaments	No information- sharing	3	300	3	,

Root Cause: Not having a motivating maintenance methodology to do the review and update of the documented information

2. Classify all the documented information by subjects, captivating topics and priority (risk level), configure a plan to evaluate the performance. capacity, productivity and quality

6. The group must take a quiz to know their level of the documented information knowledge. The members of the group should propose their innovative ideas, recommendations, modifications or changes for the procedures and existing documentation.

Finally, as a team, they will agree to present the better proposition as a draft. It does not necessarily have to be another document. It can also be some innovative way of learning and passing this information

4. Find an interestina mediator with a high level knowledge of the subject for each discussion group.







 $OEE\% = P \cdot A$

AVAILABILITY
PERFORMANCE
QUALITY

short time discussions, a short list of documents and groups of different

sign up for a

discussion group

5. Make an attractive programme including 3. Create a simple name of the subject and platform where the list of documents to people from be discussed and make different areas can it public. see the schedules by subjects and

Note Try to organize kinds of people

avoid being left out of the new automotive technology, procurement of an excellent quality management system, digital services and

BELTRAN





100% 75% 67% 50% 25%

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[5] "NF EN ISO 30300 - Information and Documentation -

Management systems for records", www.iso.org, 2011.

[13] "OEE Calculation http://www.oeesystems.com/knowledge/oee-calculation/."