

XXVI User Conference 2020



Tips and tricks by the APIS Support team Alexander Weiß, APIS IT GmbH

Bookmark with reference

Bookmarks with reference are object bookmarks in 2 directions They are created by drag and drop with right mouse key and CTRL key pressed

Paste: CopyPaste: Copy with net connectionsPaste: Copy without dependent objectsPaste: Text copyMoveLink as error detectionLink as error responseCreate bookmarkCreate bookmark with referenceApply the translationsCancel

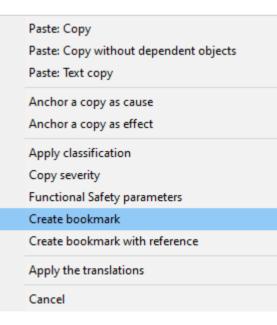


2

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External Bookmarks

The target of an Object bookmark can be an object in another file Configuration: 2 workspaces with 2 files Creation by drag and drop similar to tip 1





How to delete notes

A note at one object can exist in many ways:

- For each language
- For each variant
- For each notes category

Tip:

Tip 3

Use the **Object Inspector** for deleting notes



Show differences in FMEA forms

For maintenance customers only the well-known comparison mode of structures in the FFA editor now is also available in the FMEA forms editor (Restriction: No comparison of variants)

- Required configuration: 2 workspaces
- Call menue item: "View | Format | Differences"





Synchronized scrolling for "show differences"

Synchronized scrolling of both workspaces helps to compare large documents

This can be done by pressing the CTRL - key while moving the scroll bar

				manufacture signal cable [P						1	
ect	S	C	Failure mode	Cause	Preventive action orginal display of temperature	0	Detection action	D	RPN	AP	R/D
			force too weak	ture too low	target value	2	install alert signal	3			
				temperature of solder- ing iron tip falls below lower limit	Initial state: 20.03.2009						
					check soldering iron regularly	3	soldering iron with digital temperature display	7			
				strand is not inserted deep enough into solder- ing appliance	Initial state: 20.03.2009						
					defined striping length	3	operator self-test for insertion depth of skinned strand	8			
					trained operators						
aracteristic: <cc> volume r</cc>	resista	nce <	1 Milliohm								
degree of waste is too high	7		volume resistance too high	sets soldering tempera- ture too low	Initial state: 20.03.2009						
					digital display of temperature target value	2	install alert signal	3	42		
				temperature of solder-	Initial state: 20.03.2009						
				ing iron tip falls below lower limit	check soldering iron regularly	3	soldering iron with digital temperature display	7	147		
IEA Forms Editor VDA 96/VD	A 06:	Assemb	ly cable to plug (CC 2042 -	manufacture signal cable [F	rocess])						
ect	S	С	Failure mode	Cause	Preventive action	0	Detection action	D	RPN	AP	R/D
			force too weak	ture too low	target value	2	install alert signal	3		1	
				temperature of solder- ing iron tip falls below lower limit	Initial state: 20.03.2009						
					check soldering iron regularly	3	soldering iron with digital temperature display	5			
				strand is not inserted deep enough into solder- ing appliance	Initial state: 20.03.2009						
					defined striping length	3	operator self-test	8			
				ing upphance	trained operators		for insertion depth of skinned strand				
aracteristic: <cc> volume r</cc>	resista	nce <	1 Milliohm								
degree of waste is too high	7		volume resistance too high	sets soldering tempera- ture too low	Initial state: 20.03.2009						
					digital display of temperature target value	2	install alert signal	3	42		
				temperature of solder-	Initial state: 20.03.2009						
				ing iron tip falls below	check soldering iron regularly	3	soldering iron with	5	105		



Presentation Print including Management Report

For a common presentation of data or forms together with results from the management report, the report can be included in the presentation print:

Print batch					×	
Statistik und Manag 🗸	New Name	Сору	Delete	Import	Export	
lements:	Settings 1	↓ Data:	Add	Remove	Sort	
Table of contents	F: Statistik und Management I	Repo 🦾 🗏 Re	port (2020.08.10 15	:42:47)		
File-related document Structure-related docu FMEA form-related doc	ıments 🛨					
	sk Matrix 🚽 change-based) 🛨					
Function and failure n Documents related to Documents related to	Process Flow Diagram 🛨					
	and process control					
Customer Requiremer Meeting Log +	nts Editor 🛨				R	
Misc + Misc + Management-Repo	ort —					

Tip 6

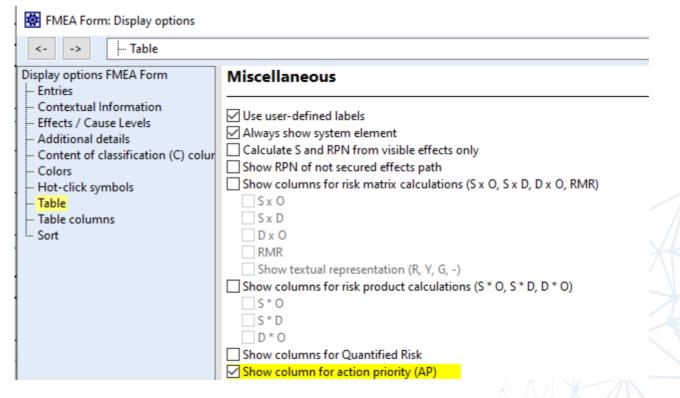
7

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AP column in ,classic' FMEA forms

Even the "classic" form layouts (e.g. VDA96) can show the action priority within a dedicated AP column

Menue: "View | Display options | Table .."



Tip 7

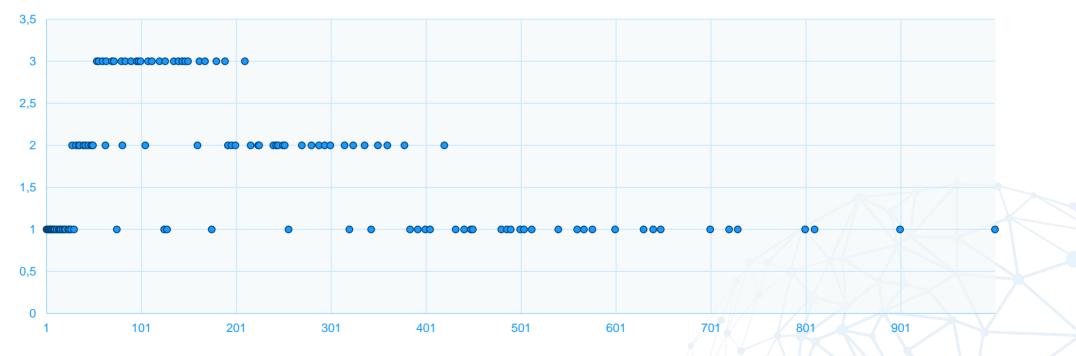


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Tip 8

AP vs. RPN

Number of different AP for each RPN



9





AP vs. RPN

Intervals with **unambiguous** assignment $RPN \rightarrow AP$:

1 ≤ RPN ≤ 27 and 432 ≤ RPN ≤ 1000

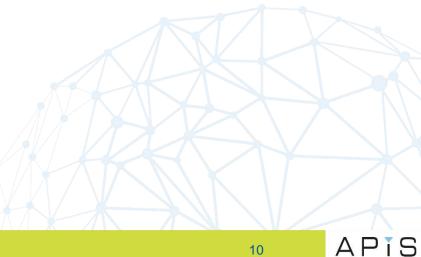
Interval with multiple assignment:

 $28 \leq \text{RPN} \leq 420$

For causes f1 and f2 with RPNs in this interval we observe:

 $RPN(f1) \le RPN(f2) \ne AP(f1) \le AP(f2)$

Sorting by RPN and AP leads to different results!







You have got problems? We can solve them!

support@apis.de

