Cloning FMEA Table rows

Usually, FMEA Tables contain a number of rows that only slightly differ from each other. To create new rows more quickly, you can clone existing FMEA Table rows with their column values. The cloning feature allows you to clone one or multiple rows at a time, and select which column values should be cloned.

To clone existing FMEA table rows

- 1. Select The FMEA Table row(s) you want to clone. To select multiple rows, hold down the Ctrl key. If you want to select several consecutive rows, select the first row in a sequence, then hold down the Shift key, and select the last row in a sequence.
- 2. Do one of the following:
 - In the table toolbar, click
 Clone Row
 - Right-click the selected rows, and, from the menu, select **Clone Row**.
- 3. In the Select Properties dialog, select the columns you would like to clone. By default, all the columns are selected, as shown in the figure below. To clear the check boxes of all table columns, click Clear All, and, to select all table columns, click Select All.

Select Properties											
Select columns to clone Select the columns to clone from the selected row(s) to new row(s)											
E FMFA Item											
Classification	V true										
Item	✓ true										
Subsystem	✓ true										
Failure Mode	V true	Ξ									
Local Effect Of Failure	V true										
Final Effect Of Failure	V true										
SEV	V true										
Cause Of Failure	V true										
OCC	V true										
Prevention Control	🔽 true										
Detection Control	🔽 true										
DET	🔽 true	-									
Q Type here to filter properties											
Clear All Select All											
OK Cancel											

4. Click OK.

After following the procedure described above, the selected rows of an FMEA Table are cloned reusing the values of the columns selected in the **Select Properties** dialog. As a result, new FMEA Items are created in the package specified as the scope of an FMEA Table, and new table rows (clones) are added for each new FMEA Item. By default, the names of new FMEA Items are the same as the names of the FMEA Items described in the source rows wit h the word *clone* added as a suffix. See the *Name* column of the sample FMEA Table displayed below.

		#	Id	Name	Classification	Item	Subsystem	Failure Mode	Local Effect Of Failure	Final Effect Of Failure
Cloned rows	[1	F-1	🕞 F1	electrical	battery : Design::	Pump	🛞 Unable to be charged		📵 Underdose or overdose 🗧
				🕑 F2	electrical	Design::	📃 Pump	🔞 Voltage error		📵 Therapy delay
	$\mathbf{\mathbf{\mathbf{a}}}$	3	F-7	F2 done	electrical	battery : Design::	Pump	🛞 Voltage error		📵 Therapy delay
		4	F-3	🕞 F3	electrical	battery : Design::	Pump	🛞 Unable to be charged		📵 Therapy delay
	\sim		F-4	🕑 F4	electrical	P dispenser : Desig	📃 Pump	🔞 Pumps inaccurate size	🕼 Air in line	
	4	6	F-8	F4 done	electrical	P dispenser : Desig	Pump	🛞 Pumps inaccurate size	Air in line	
			F-5	🕑 F5	electrical	P display : Design::	🔜 Pump	🔞 Broken keypad		📵 Therapy delay
	$\mathbf{\mathbf{\mathbf{b}}}$	8	F-9	F5 done	electrical	P display : Design::	Pump	🔞 Broken keypad		🔟 Therapy delay
		9	F-6	(E) F6	electrical	P sensor : Design::	Pump	🔞 Drop in sensitivity	High glucose-level undetected Low glucose-level undetected	

The sample FMEA Table demonstrates the behavior of the row cloning feature. The selected rows (highlighted in blue) have been cloned, and each row clone appears right below the row from which it was cloned.

Recommendation vou change the names of the new FMEA Items that are created by cloning table rows to meaningful ones.

Sample model

The model used for the figures of this page is the Medical FMEA and Hazard Analysis sample model that comes with Cameo Safety and Reliability Analyzer plugin. To open this model do one of the following

- Download Medical FMEA and Hazard Analysis.mdzip.
- Open the model from the <modeling tool installation directory>\samples\Safety and Reliability Analysis directory.

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