

Engineering Base

Manufacturing Harness Synchronisation

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1 Manufacturing Harness Synchronisation

The **Manufacturing Harness Synchronisation** assistant serves to synchronize two harnesses. The synchronization between the source and target harness may be limited to selected modules or variants. Precondition for this option to work is that all elements of the harness are modularized (see **Module Assignment Wizard**).

To synchronize two harnesses

- 1. In the Explorer, select the project of the source harness.
- 2. Use **Select Assistant** from the context menu.

This opens the **Assistant selection** dialog.

3. Select Manufacturing Harness Synchronisation and click Run.

This opens the dialog Manufacturing Harness Synchronisation.

Manufacturing Harness Synd	chronisation (3.1.25.0)
	Manufacturing Harness Synchronisation (3.1.25.0)
	Synchronize two harness
	To continue, click next.
	Cancel < Back Next > Finish

4. Click Next >.

Manufacturing Harness Synchronisation (3.1.25.0)	
larness selection Select source- and target harness	
Harness selection	$\overline{\mathbf{O}}$
Source harness	
Target harness EBCable - Solution MD 30Harnesses ABS	
Deltamanagement Options	\odot
 Keep topology Keep components Do not delete cavities Do not delete mandatory objects Do not delete node sub components which are not in import file Keep Wire Components Keep wiring Keep modules Keep variants Keep objects from non-selected modules/variants Keep Objects with Flag 'Source Manufacturing' 	
Cancel	< Back Next > Finish

5. In the line **Source harness**, click \Box .

This opens the dialog **Harness selection**.

Harness selection			X
EBCable - Solution MD	Projects		
 Description 	ID Std 1		4 [III >]
	Ok	Cancel	

- 6. Click the tab **Projects**, if you want to select the source harness from another project.
- 7. Select the source harness and click **OK**.

This opens the dialog **Harness selection**.

- 9. Click the tab **Projects**, if you want to select the target harness from another project.
- 10. Select the target harness and click **OK**.
- 11. Check the **Deltamanagement Options** you want to use.
- 12. Click Next >.

This opens the dialog **Delta Management**. It offers you an overview about the differences between the source and target harness. You may use this dialog to specify which aspects of the differences you want to include into the synchronisation process.

ource harness 30 <u>H</u> arnesses ABS B project: EBCable - Solution ME arget harness 30 <u>H</u> arnesses ABS				
 Harness Topology Components Components Wiring Variants Modules Sheets Derivatives Project Potentials 				
🕄 = New 📝 = Changed 🗙 = I List Graphic	Deleted 🖉 = Existing	Subobjects changed	🛒 = From catalog	

13. Check the structures or sub-structures of the harness to which you want to restrict the synchronisation process.

eita Management												
urce harness 30 <u>H</u> arnesses ABS ; project: Extended DeltaManag, EBCable rget harness 30 <u>H</u> arnesses ABS	- Solution MD											
▲ Harness 🕴 🗙 🖉 🖉	Status	Туре	Designation	Target	Target 2	Comn	Bending Ra	Length	Electromagne	Weight	Diameter	
A lopology C X V V V Segments C X V V		Segment	1 - 3	1	3		11,96 🔽 13,98	50		1,5 🔽 2,9	11,96 🗹 13,98	
Branching Points 😳 🗙 🛛 🙆 🗹 Dimensionings	V	Segment	1 - XX1.A139.1	1	XX1.A139.1		5,29 🔽 8,96	200 🗹 100		6 🔽 5,8	5,29 🗹 8,96	Ī
Components Wiring Variants Variants		Segment	2 - 3	2	3		15,62 🗹 18,26	550		31,9 Z 47,3	15,62 🗹 18,26	ľ
 Modules Sheets 		Segment	2 - 13 🛛 🗹 13 - 2	13	2		14,89 🔽 16,09	200		5,6	14,89 🔽 16,09	ľ
Derivatives	G	Segment	2 - X0191.1A1	2	X0191.1A1		4,7	550		16,5	4,7	
Potentials	2	Segment	3 - XX4.A139.1	3	XX4.A139.1		10,04 🔽 11,75	200 🗹 100		5,6 🔽 2,8	10,04 🗹 11,75	ŀ
	e	Segment	5 - 4	4	5		13,23	150		4,2	13,23	Į
	6	Segment	6 - 5	5	6		11,34	350		9,8	11,34	
	G	Segment	6 - 7	6	7		9,56	250		7	9,56	
	{}	Segment	7 - XA.Y129.1	7	XA.Y129.1		4,6	250		7	4,6	l
	{	Segment	8 - 4	4	8		7,6	150		0	7,6	Í
	6	Segment	8 - XA.B119.1	8	XA.B119.1		3,8	200		0	3,8	Í
■ New Sector Changed X = Deleted	a Existing	" 😲 = Su	ubobjects chang	jed !	🛒 = From ca	atalog					,	
ist Graphic												

14. Click the tab **Graphic** below the dialog window to see the topology changes graphically.

The dialog **Graphic** opens.



15. Click Next >.

- 16. Check the graphic options offered below **Graphic options** you want to be applied.
- 17. Click **Topology Editor**, to open the **Topology Editor**.



You may exclude parts of the topology using the **Topology Editor**.

18. Click **Next >** to start the synchronisation process.

Once the synchronisation process has terminated, the dialog **Finished** opens.

- 19. Check the reports or message objects you want to be created.
- 20. Click Finish.

The reports and the message objects may be found in the project below **Messages** - > **Manufacturing Import Export** -> **<date> <time>**.