

# Webinar “Siemens Teamcenter and MagicDraw/Cameo Systems Modeler Integration”

## Questions and Answers

- 1. When you import from Teamcenter to MagicDraw, can you map to customized stereotypes and their values?**

Yes. Mapping is customizable to custom elements and properties.

- 2. If your initial mapping from Teamcenter to MagicDraw, can you re-map if a mistake was made? And if so, would that cause any issues with any pre-mapped settings?**

If you change the existing schema map, all DHLink which are using that map will be detected as changed when you perform check change or sync. If the mapping is changed then the synchronization is expected to fix the data.

- 3. TcSE has different types of elements with many property fields (50+?), will these all be mapped and synchronized over to MagicDraw?**

The best mapping to Systems Engineering component on Siemens TC is provided out of the box. It includes support for Requirements Functions Logical Physical (RFLP) metamodel and SysML mapping. Any changes, additional items and properties can be mapped and imported, exported, synchronized. You choose which of 50+ properties will be imported.

- 4. Can we drop an entire PLM/TcSE project into MagicDraw for a 1-shot convenient conversion?**

You can import an item, assembly, or many assemblies included in folder on a single drag. Other synchronization contexts are also considered as Model Context.

- 5. Is it possible to create various parsing/trace reports based on customized logic? This is one of the strengths of TcSE.**

MagicDraw can create trace views, such as matrix or table as well as generate fully customizable reports. Integration framework - Cameo DataHub supports custom reports based on traceability information. Cameo DataHub reporting is less capable, if compared to MagicDraw or TcSE reports. But integration allows you to have required data on both sides and use one or another reporting engine.

- 6. What happens when a user has only read permission on the TC side, and he tries to upload a change?**

User logs in with her/his credentials to AWC, permissions are based on this login and will act same as on manual actions.

- 7. Why diagram, which was once synchronized as an image, not synchronized automatically? I fear that the image in TC may be misleading because it must not show the actual model.**

Image is a snapshot of the model file information from previous synchronization. Each time the file is uploaded diagrams are suggested to update. File and elements synchronization currently are independent actions. They could be coupled into a single action, but our experience shows that people like to have control when they update file and synchronize element / item granularity data.

- 8. Are the results of simulation in MagicDraw stored in TC?**

Yes. Analysis Request (AR) use case and capability are exactly for this reason. This allows to provide back the analysis results in form of measurable attributes values, external files as excel etc.

- 9. Is there a plan to have this integration capability available with other PLM tools?**

Yes. This is our promise to integrate with all PLM tools based on the best alignment which we deliver. Dassault Systems are working on integration with No Magic at the moment. We have ARAS

Innovator prototype supporting RFLP interchange, and automatic trade-off analysis based on design in SysML, analytical model, and data in ARAS Innovator. Other PLM tools integrations are coming.

**10. If you can load a project from TC and then edit it in MagicDraw and then save it back into TC, what do you need synchronization for?**

File and elements synchronization currently are independent actions. They could be coupled into a single action, but our experience shows that people like to have control when they update file and synchronize element / item granularity data.

**11. Can you choose which package will contain the data when you move it from TcUA?**

Yes, you can choose when to import data.

**12. I think we will want requirements to have the same ID in TcUA and Cameo. The IDs in TcUA will need to be unique. If I add a req in Cameo can I have it adopt the unique TcUA ID when I synchronize?**

Yes. You can synchronize requirement from MagicDraw to TC without ID, in this case ID will be assigned by TC. This work with Beta already. Next this ID should be updated to MagicDraw, we work on this scenario automatization for final v19.0 release.

**13. If I use the HTML editor in Cameo Systems Modeler am I able to use Word to edit in TcUA or do I need to use the HTML editor in TcUA too?**

MagicDraw supports plain text and HTML editing. It depends how TcUA editor is implemented, but most likely Word editor will not work.

**14. If I have my project on Teamwork Cloud will I be able to save a snapshot of the project to TcUA or does that only work for standalone projects?**

v19.0 Integration works with Teamwork Server and standalone projects. Teamwork Cloud support is coming soon.

**15. Can I compare two different project's Cameo models using this method?**

There is ability to compare two versions of MagicDraw projects – both projects need to originate from the same project. This capability is available out of the box in MagicDraw/Cameo Systems Modeler > Analyze > Compare Projects.

**16. Please define the the RFLP acronym.**

RFLP = Requirements Functions Logical Physical. These are common Model-based Systems Engineering key elements serving as integration points in multidiscipline integrations in PLM.

**17. Is there an Impact analysis of parametric budgets with the change in range data?**

Not out of the box, but this could be created as customized solution.

**18. Sync between model and items which means Catia model to Teamcenter or to SysML**

SysML model elements and Teamcenter items. Could be also Catia items, if Catia stores data to Teamcenter.

**19. Does Teamcenter work with Teamwork Cloud or just client?**

v19.0 Integration works with Teamwork Server and standalone project. Teamwork Cloud support is coming soon.

**20. Which Plugin are you mentioning for the beta version?**

On MagicDraw side you need Cameo DataHub and Teamcenter Integration. SysML also is needed as it is used to have out of the box mapping. On Siemens Teamcenter side you need AWC. Systems Engineering component is needed if you want out of the box mapping, BHM component is needed if you want file management use case.