



Model Update Techniques

Training	Model Update Techniques in ANSA
Duration	3 hours
Level	Intermediate
Who should attend	CAE Engineers working in model building teams
Training description and objectives	<p>This course provides an insight to the tools and methodologies that are employed for the efficient comparison and update of models in ANSA.</p> <p>Upon course completion, participants should be able to:</p> <ul style="list-style-type: none">- Merge updates in an existing model and control the merge parameters- Handle multiple models in the same ANSA session- Detect differences between two models using the Compare Tool- Identify carry-over parts and maximize their reuse.- Incorporate new Parts and sub-assemblies in bigger assemblies using the Replace Tool.- Identify entities affected by the replacement and handle their update.
Prerequisites	Participants should have a basic knowledge of the software.
Language	English <i>*ask for more languages</i>

Course content is subject to change without notice.

Course content and duration may be adjusted to audience requirements or background.



Suggested topics
Introduction
<ul style="list-style-type: none">- Merge updates in an existing model- Multi-model handling
The Compare Tool
<ul style="list-style-type: none">- Launching the Compare Tool- Definition of the models and the comparison settings- Overview of Compare Tool window- Use Case 1: Compare Meshed Geometry and Unmeshed CAD Updates<ul style="list-style-type: none">- Review the comparison results- Geometric comparison of Part areas- Update of Part attributes- Transfer mesh to compatible areas of the unmeshed model- Transfer new geometry to compatible areas of the meshed model- Use Case 2: Compare an assembled model and a new connection file<ul style="list-style-type: none">- Review the comparison results- Control the displayed differences- Export of connections- Use Case 3: Compare two assembled models<ul style="list-style-type: none">- Review the comparison results- Create a new model combining Parts from the two compared models- Export of differences in a comparison report
The Replace Tool
<ul style="list-style-type: none">- Overview of the Replace Tool- Replace Part options- Identification of internal/external entities- Use case 1: Replace Part- Use case 2: Replace Subsystem- Use case 3: Replace Part with 'Keep Outgoing Properties'- Use case 4: Advanced Options