



ANSA / META for Pedestrian safety simulation pre- and post- processing

Training	ANSA / META for Pedestrian safety simulation pre- and post-processing
Duration	8 hours
Level	Advanced
Who should attend	CAE analysts who develop vehicles and perform pedestrian protection tests.
Training description and objectives	<p>This course introduces participants to the safety domain that assesses the protection of a pedestrian in case of an impact with a vehicle. Users will become familiar with the ANSA and META tools for pedestrian safety so that they are able to create pedestrian test files for crucial target points, and calculate and evaluate results in META.</p> <p>Upon course completion, participants will be able to :</p> <ul style="list-style-type: none">– Identify all impact points according to all available regulations in the market– Position the impactor at various impact points– Bulk loadcase output for all/desired impact points– Post process time history results and animations of all/selected impact points– Create reports– Visualize all results on a single 3d model (create annotations with HIC values for no raster and raster of target points, interpolate the HIC values on a bonnet model, etc.)
Prerequisites	Basic knowledge of the pedestrian safety principles, ANSA, and META is required.



Suggestions	This course can be combined with any of the crash trainings: <ul style="list-style-type: none">– ANSA for Crash simulation pre-processing– ANSA / META for Interior safety simulation pre- and post- processing– ANSA / META for Occupant safety simulation and dummy handling
Language	English, German, Swedish <i>*ask for more languages</i>

Suggested topics
<p>ANSA session</p> <ul style="list-style-type: none">– Introduction– Model description– Creation of the reference lines– Determination of target points– Single point position of the head form– Multi point position of the head form <p>META session</p> <ul style="list-style-type: none">– Pedestrian safety toolbar<ul style="list-style-type: none">a) Head form resultsb) Leg form resultsc) Upper leg results

Course content is subject to change without notice.

Course content may be adjusted to audience requirements or background.