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

Training	ANSA / META for Interior safety simulation pre- and post-processing
Duration	8 hours
Level	Advanced
Who should attend	CAE analysts who perform crash tests and study/develop interior parts of the vehicle.
Training description and objectives	This course introduces participants to the principles of interior safety using ANSA and META so that they are able to create and export interior safety test files according to FMVSS 201 and ECE R21, Ejection Mitigation (FMVSS226) and Seat Impact regulations and evaluate the results. Upon course completion, participants will be able to: – Identify critical impact points according to the protocol regulated by FMVSS201U – Position the Headform achieving minimum contact distance and maximum vertical angle – Bulk output for all the respective loadcases – Apply stochastic analysis – Post process time history results and animations for all/selected target points – Visualize all results on a single 3d model – Create reports.
Prerequisites	Basic knowledge of interior safety principles, ANSA, and META is required.

Suggestions	This course can be combined with any of the crash trainings: – ANSA for Crash simulation pre-processing – ANSA / META for Pedestrian safety simulation pre- and post- processing – ANSA / META for Occupant safety simulation and dummy handling
Language	English, German, Swedish **ask for more languages*

Suggested topics
ANSA session – Interior safety tool a) Target points identification b) FMH positioning c) Output of keyword files d) FMVSS 201 pendulum / ECE-R21 META session – FMVSS_201U toolbar a) Target points 2d and 3d results b) Visualization and overview of results

Course content is subject to change without notice.
Course content may be adjusted to audience requirements or background.