

WORKING WITH THE BUILT IN PEDESTRIAN TOOL BARS IN ANSA AND META AT VOLVO CARS CORPORATION

Ulf Westberg

Volvo Cars Corporation, Sweden

KEYWORDS –

Pedestrian, ANSA, META

ABSTRACT –

Before any pedestrian testing could be done, the car has to be marked. The marking divides the front of the car into zones which is assessed using the appropriate impactors. There are different protocols to follow how to do this, depending on the test to be carried out, certification or rating. When the testing area of the car is known, the target points have to be selected and the impactor should be positioned correctly at the target points. The number of impact points are often 100+. Doing both the above tasks manually, is cumbersome and time consuming. ANSA provides an automatic way to set them up by using the pedestrian toolbar. Furthermore, presenting the results of such a large number of simulations, needs to be done in a clear way. The pedestrian toolbar in META offers tools to get a clear overview of the pedestrian status of the car.

Both ANSA and META offer great opportunities to customize your own toolbars for tasks that are done often and in large scale. At Volvo Cars Corporation, customized toolbars that are easy to adapt according to the user's need, have been used for a while.