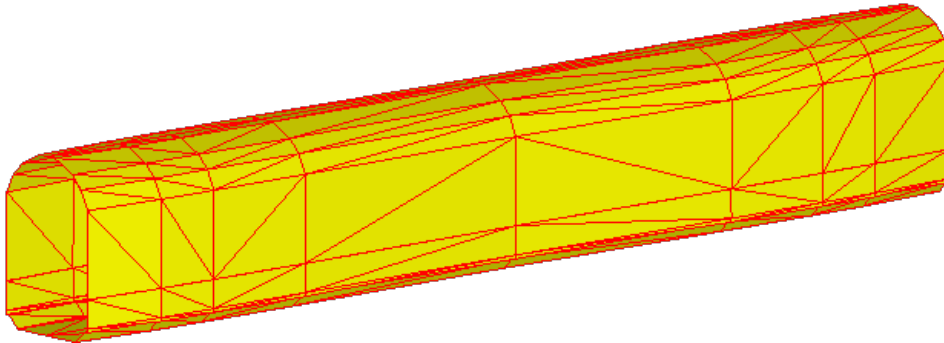


The program system DIMA allows in the now available version 2.3 the creating of the maximum vehicle construction gauge as three-dimensional contour and its export via data exchange interface in STEP format (**ST**andard for the **E**xchange of **P**roduct model data, ISO 10303-214) for further processing in CAD programs.



Example 4: Coach of UIC 505-1

The add-on module “3D model output (STEP export)” is characterized by the following properties:

- Creation of the three-dimensional contour of the **vehicle construction gauge** and the **vehicle design gauge** as well as
- Creation of the three-dimensional contour of the construction gauge and the design gauge for non-insulated live parts on vehicle roof.

The design gauge is an inward by a defined “safety margin“ reduced vehicle construction gauge.

The three-dimensional contour is generated as a so-called wireframe model, which is formed by the linking of several cross sections of the vehicle in the longitudinal direction. The cross-sections (YZ-sections) are calculated for certain X-coordinates (ni-/na-coordinates). The number of considered cross-sections defines the accuracy of the model and the size of the STEP file. The distribution of the cross sections can be done program controlled, uniformly distributed or user-defined.

Please do not hesitate to contact us with interest, questions or comments!