



## RAMSIS Module ISO 13564

Comply with the standard –  
quickly and profitably

### YOUR BUSINESS FIRST

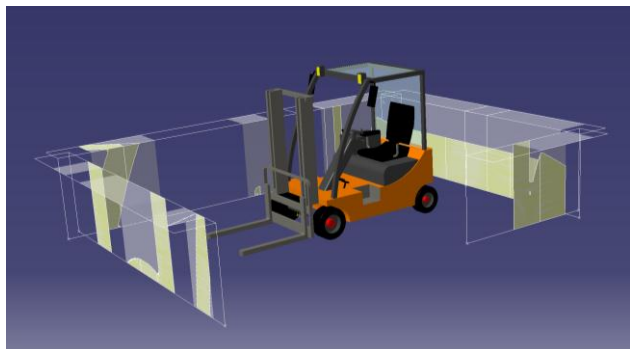
#### Digital compliance testing saves time and money

ISO 13564 specifies field of view values for ground conveyor vehicles and telescopic loaders with and without loads and when driving or operating in sitting or standing positions. Both the limits and the compliance testing procedure are strictly regulated. So it makes sense if your development processes are standard-compliant right from the start.

The module ISO 13564 for RAMSIS Industrial Vehicles ensures compliance with all the required visual criteria in your vehicle models *in the CAD environment*. And because the module was developed together with the industry, the results will quickly and effectively show you if changes have to be made to your models. This minimizes the number of time-consuming compliance tests on real vehicles and significantly reduces your development costs and timeframes.

#### Your advantages

- > A high degree of accuracy and testing of standard compliance at a very early stage of development
- > Immediate display of any violations
- > Simple documentation of the test procedure and consistent, replicable results
- > Reduction of the number of physical test stands



Simulation of the ISO 13564 limits for ground conveyor vehicles in RAMSIS

### ISO 13654 – FIELD OF VIEW COMPLIANCE TESTING WITH RAMSIS

#### Analysis and simulation of the field of view

RAMSIS software simulates the real vision field for the CAD-model of the vehicle taking into consideration also superstructures. The software creates vision fields in 3D geometry based on the driver's position and in compliance with the standard's criteria. The ISO 13654 guidelines and the corresponding compliance testing methods are provided with the RAMSIS software. The results can always be perfectly reproduced, even on different versions of vehicles – something that simply *cannot* be done on a physical test stand.

The field of view is automatically evaluated in the digital simulation and tested against the standard's criteria, so any violations can be quickly identified. With the new RAMSIS module, you can evaluate the necessary design corrections and carry them out effectively. The results are also digitally documented, quickly and conveniently.

### USING THE RAMSIS MODULE ISO 13654

#### Software and service

There's good news for those who already use RAMSIS – the new module can be seamlessly integrated into the existing version. Training for the module and its main functions is recommended and offered by Human Solutions. New customers can use the module with RAMSIS Industrial Vehicles, either as stand-alone software or integrated in Catia. Our coaching and training will consolidate the productivity of your development and construction. And as an alternative, we can also offer you compliance testing for your vehicle models as a full service.

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