

Homologation and type approval

”

Your bridge  
into the  
**market**

**Harmony of technology  
and safety around the world**

TÜV®

**TUV NORD**  
Mobilität



## Everything **fits!**

TÜV NORD Homologation is when everything is in perfect harmony: Vehicle parts, vehicle and safety, construction and international provisions, your latest developments and the future.

For five decades, we have been working nationally and internationally for industrial companies and authorities. We have mastered the homologation process to the minute detail. TÜV NORD has contributed to many directives, provisions and regulations of the EU in international bodies.



- GSR (General Safety Regulation)
- Support of the manufacturers in implementation of new regulations and technologies
- Consulting and test services for manufacturers of hybrid and electrical vehicles
- Work in technical committees



## The birth of a **successful** product

There is a long path from the first creative idea to the breakthrough on the car market. It is called the homologation process. We have structured this path in three segments that we support and promote intensely in development. The utmost objective is making your vehicle stand on its own quickly and securely.



### 1. Knowing how

New rules and regulations that must be implemented after short transition periods pose difficult tasks to manufacturers. The engineers of the IFM – Institut für Fahrzeugtechnik und Mobilität – inform comprehensively, indicate possible obstacles and point out tolerances. High technical competence that lowers your risks and creates a path to success for your idea.

### 2. Everything planned

Which new developments are admissible? Which Tests must be performed? Based on the statutory requirements, our specialists will develop a comprehensive plan. Individual partial sections can be homologised in advance. We draw up the expert reports quickly and objectively. We will gladly assume timely processing of all test orders as a general contractor as well.

### 3. Serial success

Congratulations. Your product will be born in time. Now consistently high quality is the top requirement for success. Together with you, we develop a QM system or certify your present one to DIN EN ISO 9001. We will inform you about changes to the laws later as well, support you in COP-measures and test releases according to the manufacturer specifications.



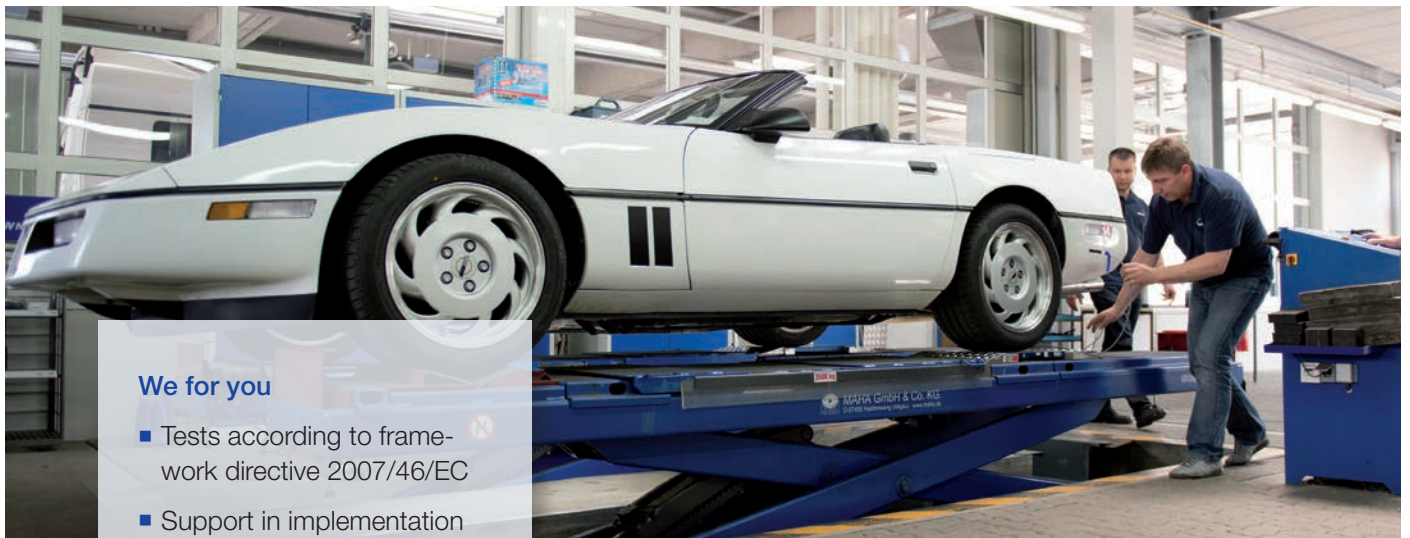
## Have a good ride through the **jungle of regulations**

The thicket of national and international rules and provisions is growing increasingly dense, confusing and complex. Our experts will pave a way for you through the legal jungle. They are in close contact with development departments, test engineers and authorities.

As an accredited service provider, we will perform individual, sample and type tests in and outside of the country and support you in acquisition of the approval certificates.

### **Where are you in comparison to competition?**

What do the others have that you do not? We will gladly perform comparison tests between your product and those of your competitors.



### **We for you**

- Tests according to framework directive 2007/46/EC
- Support in implementation of new regulations, etc. (e.g. (EC) 661/2009 – General Safety Regulation)
- Tests for acquisition of EC multi-stage approvals for vehicle body / 2<sup>nd</sup> stage manufacturers
- Tests for granting of small series approvals
- Individual acceptance





# Your benefit

## on the commercial vehicle market



Truck or trailer: Safety is a central quality argument on the highly competitive commercial vehicle market. TÜV NORD will make sure that you are on the safe side right from the start.

Have the vehicle body structures tested by TÜV NORD Mobilität. Every time the vehicle is loaded, the TÜV NORD seal will advertise your quality.

### Against loose conditions in goods traffic

Use our comprehensive knowledge to secure your load. Keep a perfect posture in any situation and get to your destination securely and effectively.

#### We for you

- Static and dynamic test of vehicle body structures according to DIN EN12642
- Tests of tarpaulins according to DIN EN 12641-2
- Tests of attachment points according to DIN EN 12640
- Determination of coefficients of sliding friction of load areas and load joint according to VDI 2700 Sheet 14
- Assessment and documentations help with future developments as well





## The right expertise for any use

From the working machine in agriculture and forestry to motorised wheelchairs to service vehicles of the fire department, police and quads, each and every vehicle has to master special tasks and correspond to the relevant specifications for its area of use. In a partially multi-stage approval process, we cooperate closely with the manufacturers and show full dedication right from the start.



### Full dedication right from the start

- Assessment of vehicles, trailers and their vehicle partial systems according to international (EC, ECE, etc.) and national provisions (StVZO)
- Tests according to the EC framework directives, the EC multi-stage approval for superstructure producers, small-series approval and for vehicles with special purposes
- Generation of expert reports and test reports for granting of an EC operating permit (EG-BE) or a national general operating permit (ABE)
- Assessment of vehicle conversions and generation of expert reports as test basis for individual acceptances
- Tests of approval-free or motor-vehicle-like vehicles e.g. based on the machinery directives or other technical provisions
- Consulting and clarification of the approval capability of new developments, e.g. assistance systems



## We will carry the **can** for you



The IFM - Institut für Fahrzeugtechnik and Mobilität – has large labs at its main sites of Essen and Hanover.

### State-of-the-art testing

Our measuring device equipment for vehicle tests according to national and international rules meets the highest demands. We continually drive development forward. Cooperate with universities and engineering service providers and use external test facilities. Try us.



### Top Secret

When our specialists test vehicles, components or systems in our labs, top secrecy is mandatory. Curious eyes don't stand a chance.



### Test premises in Germany and Europe

- VW-test premises Ehra-Lessien
- Wabco-test track in Jeversen
- Conti-test premises in Jeversen
- Test premises Papenburg
- Test premises Lelystad (NL)
- Test premises IDIADA (E)





Photos: TÜV NORD / fotolia.de  
Concept and design: Loeper & Wulf, Hanover

## We are there for you

### TÜV NORD Mobilität

#### Institut für Fahrzeugtechnik und Mobilität

##### Folkert Jürgens

Department manager – whole vehicle type approval

Special motor vehicles, commercial vehicles, motorcycles, load safety

Am TÜV 1

30519 Hanover

Phone: +49 (0) 511 9986 1337

Mobile: +49 (0) 160 888 1337

Fax.: +49 (0) 511 9986 1998

Email: [fjuergens@tuev-nord.de](mailto:fjuergens@tuev-nord.de)

### TÜV NORD Mobilität

#### Institut für Fahrzeugtechnik und Mobilität

##### Michael Melz

Department manager – whole vehicle type approval

Passenger cars, Light Duty truck

Friedrich-Mumme-Str. 2

38442 Wolfsburg (Fallersleben)

Phone: +49 (0) 5362 93831 11

Mobile: +49 (0) 160 888 3788

Fax.: +49 (0) 5362 93831 26

Email: [mmelz@tuev-nord.de](mailto:mmelz@tuev-nord.de)

## More information at:

[www.tuev-nord.de/ifm](http://www.tuev-nord.de/ifm)

## Our sites and representations

