



Add value.
Inspire trust.

Automotive FMVSS Testing and Compliance

Gain US market safety compliance
for motor vehicles and equipment

Your challenges

In the United States (US), Federal Motor Vehicle Safety Standards (FMVSS) specify mandatory minimum safety requirements for the design, construction, performance and durability of motor vehicles, as well as regulated automobile safety-related components, systems and design features. FMVSS are intended to protect the public by minimising vehicle crashes, injuries and deaths.

These standards are the US counterpart to the UN Regulations developed by the World Forum for Harmonization of Vehicle Regulations, which are recognised to varying degrees by most countries except the US. The National Highway Traffic Safety Administration (NHTSA) is the federal government agency that issues and enforces FMVSS for motor vehicles and regulated parts that are manufactured domestically or imported into the US. OEMs and component manufacturers face the challenge of demonstrating compliance to those regulations if they want to sell their vehicles and components in the US market.

Why is FMVSS testing and compliance important?

The Vehicle Safety Act requires that motor vehicles and regulated motor vehicle equipment manufactured for sale in the US are certified to comply with all applicable FMVSS. Type approval is not required, but a “self-certification” process requires manufacturers to certify their vehicle or equipment to demonstrate FMVSS compliance.

How can we help you?

Our global experts can partner with you through the FMVSS testing, certification and compliance process. We support you in achieving FMVSS compliance to ensure that you can access the US automotive market.

Our FMVSS testing and compliance services

Our global homologation experts, and strategic partners, provide a comprehensive range of technical advisory, homologation and testing services to help you comply with constantly evolving regulations.

■ Homologation services

We support you in meeting the applicable FMVSS requirements required to export your vehicles or related systems and components to the US market.

■ Multi regulation management

We help you to understand and identify the overlaps and evolving requirements of different regulations so that you can achieve multiple certifications within one project.

■ Vehicle and component testing

We perform the full range of testing services for your vehicles and automotive components to ensure they meet relevant requirements before entering the US market.

Our TÜV SÜD experts can assist you with many of the US FMVSS standards, such as:

- FMVSS crash avoidance - 100-series, e.g. FMVSS 101 controls and displays, FMVSS 111 rearview mirrors etc.
- FMVSS crashworthiness - 200-series, e.g. FMVSS 201 Occupant Protection in Interior Impact, FMVSS 209/210 Seat Belt Assemblies/Assembly Anchorages etc.
- FMVSS post-crash survivability - 300-series, e.g. FMVSS 301 Fuel System Integrity, FMVSS 305 Electric-Powered Vehicles, Electrolyte Spillage and Electrical Shock Protection etc.

Your business benefits

- **Minimise risk** – through independent third-party testing and verification services that ensure compliance of your vehicles and equipment according to FMVSS requirements, supporting you to access the US market.
- **Save time and money** – as we support you with comprehensive services along the entire homologation process, which avoids time-intensive and costly rework and loss of sales revenue as a result of being denied access to your customers in the US.
- **Benefit from an expert partnership** – with our in-depth understanding of the latest changes and updates to the various guidelines and regulations, helping you to meet certification requirements quickly.
- **Gain a competitive advantage** – by demonstrating FMVSS compliance which positively impacts your company's reputation and enables you to access one of the world's largest automotive markets.



Why choose TÜV SÜD?

TÜV SÜD is your global leading partner for automotive homologation services. We have more than a century of automotive testing and certification experience, and our laboratories are accredited according to ISO/IEC 17025. Our homologation experts are familiar with existing FMVSS regulations and can provide efficient guidance to identify the relevant requirements for your motor vehicles and automotive components. We support you in achieving compliance with FMVSS to avoid costly rework and minimise time to market.

Add value. Inspire trust.

TÜV SÜD is a trusted partner of choice for safety, security and sustainability solutions. It specialises in testing, certification, auditing and advisory services. Through more than 25,000 employees across over 1,000 locations, the company adds value to customers and partners by enabling market access and managing risks. By anticipating technological developments and facilitating change, TÜV SÜD inspires trust in a physical and digital world to create a safer and more sustainable future.

Related services

TÜV SÜD provides the following related services:

- ECE Vehicle Certification
- Automotive KC Mark and Certification
- Automotive CCC Mark and Certification
- Automotive VSTD Certification
- Multi Regulation Management