

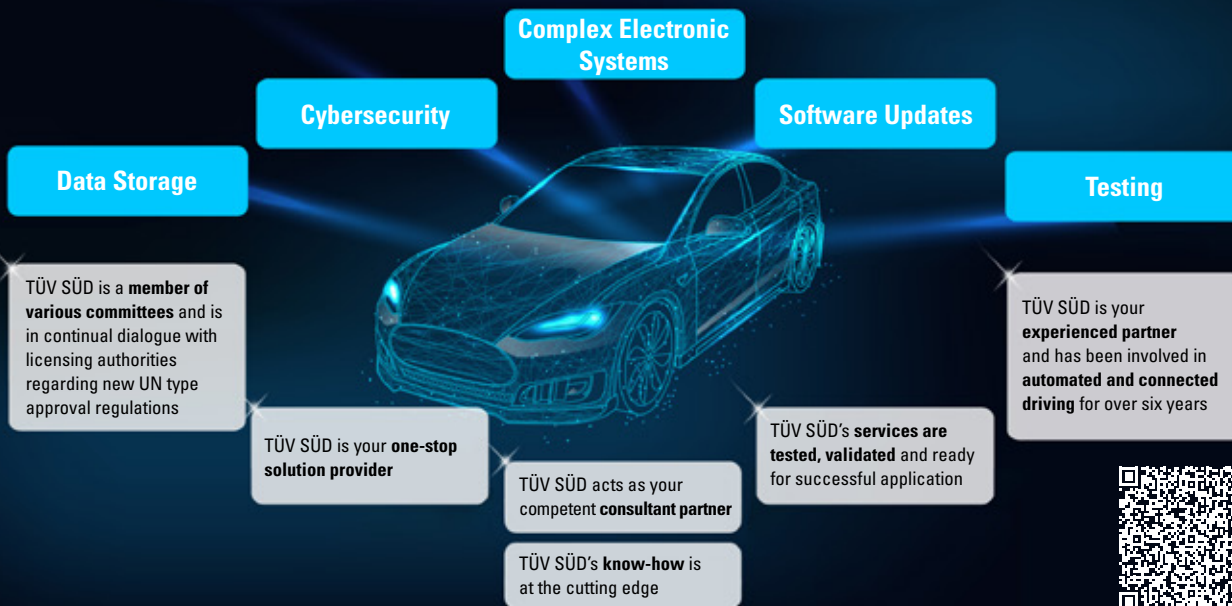
SAE Level 3: From Assisted Driving to Automated Driving

TÜV SÜD will take you
to the next level



Add value.
Inspire trust.

Automated Lane Keeping System (ALKS)



Amendment 01 of Automated Lane Keeping System (ALKS) regulation UN R157

In 2021, for the first time, 42 countries agreed uniform type approval requirements for automated driving functions (SAE Level 3), based on an internationally valid regulation. Since UNECE regulation UN R157: Automated Lane Keeping Systems (ALKS) came into force, UN committees have worked on the extension of the system functionality. In January 2023, the 01 series of UN R157 amendments entered into force for all contracting parties (countries) that apply it. This marked a further milestone in mobility.

In addition to ALKS regulations, others such as UN R155 for cybersecurity and UN R156 for software updates must be met and approval proven.

How can we help you?

TÜV SÜD supports you in all aspects of automated driving. We offer you a wide range of specialised services designed to facilitate the rapid implementation of level 3 driving functionality in compliance with this ALKS regulation.

We offer the following ALKS system assessment services:

- Type approval
- Preliminary and dynamic vehicle tests
- Conformity reviews and gap analyses (safety concept, security concept, virtual methods)

We also offer a range of specialist services relating to:

- Functional safety and SOTIF (Safety of the Intended Functionality)
- Virtual and physical testing
- Software updates and cybersecurity

What is new in ALKS Amendment 01?

- Applicable for vehicle categories M and N
- Maximum speed up to 130 km/h
- Allowing lane changes by the system
- Vehicle combinations are possible

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, it adds value to its customers, inspiring trust in a physical and digital world.