



Choose certainty.
Add value.

Approval management

Consulting and technical engineering support for the entire approval process

Your challenges

When it comes to the approval process, rolling stock manufacturers, suppliers, railway operating companies and infrastructure managers must be aware of the heterogeneous approval requirements of governing bodies. Beyond identifying the optimal approval strategy and assisting you to navigate the different safety, risk and interoperability requirements of national and international bodies, an experienced partner can act as an interface between your organisation and the various stakeholders involved in the approval process such as Notified Bodies, independent safety assessors, authorities and end customers.

What approval requirements need to be managed?

Depending on the type of rolling stock vehicle and the intended country or network, it is necessary to coordinate the approval process of different technical

sections (vehicle body, bogies and brakes) as well as requirements for fire protection, functional safety, and occupational health and safety. Requirements may include EC Conformity Assessment of Subsystems, Interoperability Constituents or Notified National Technical Rules (NNTR).

Why are approval management services important?

Each project aiming for a rolling stock approval and strategy needs to address various requirements. These requirements, from different sources such as technical specifications for interoperability (TSI), NNTR, and customer and supplier specifications, have to be merged and consolidated. Coordinating and interpreting these complex requirements among so many stakeholders requires the support of an experienced and knowledgeable partner to avoid misinterpretation and ensure that all necessary requirements are met.



Our approval management services

TÜV SÜD can act as your independent partner for the entire approval process. Our extensive suite of in-house services ensures end-to-end support, from navigating complex technical requirements to planning and managing the expectations and deliverables of various stakeholders.

■ Approval requirements support

We maintain an up-to-date overview of the complex approval requirements to assist manufacturers, suppliers and railway operating companies throughout the process. Our extensive experience with various rolling stock approval projects and close collaboration with many authorities and Notified Bodies minimise the risk of non-compliance.

■ Approval planning and strategy

Our clients can leverage our extensive network of authorities, Notified Bodies and other railway sector stakeholders as well as our systematic approaches to approval risk management. To ensure the approval process runs smoothly, our experts will analyse your project to identify possible delays and operational constraints. We also help to identify risks and support decisions by managing coordination between authorities, customers and engineering partners.

■ Approval process

Drawing on vast experience in rolling stock approval projects, our experts can contribute to your continuous process improvement and help establish or organise your process manuals in order to strengthen your approval department.

Your business benefits

- **Efficient project management** – that guides you through the approval process, enabling you to stay focused on your core business and maintain a competitive edge.
- **Save time and money** – with an approval strategy based on our extensive experience that will help you avoid cost-intensive, time-consuming problems at a later stage of the project.
- **Minimise risk** – by identifying issues at an early stage before they grow into significant project delays.

Why choose TÜV SÜD?

We possess nearly 50 years of experience in the rail sector and a sterling track record in approval management. The knowledge, capabilities and network we have gained and developed in this time enable us to provide complete one-stop support for rolling stock assessment and EC verification, from conceptualisation through to product approval.

TÜV SÜD's experts are recognised by European and international authorities. In addition, many are Federal German Railway Authority (EBA) - recognised assessors for rolling stock. Through our affiliated company, Railcert, a Notified Body, and our association with the German Notified Body (EISENBAHN-CERT), we are able to provide comprehensive solutions for rail system interoperability in accordance with EU directives. Furthermore, through our close collaboration with numerous authorities and our involvement in national and international boards, our experts are up to date with the latest regulatory requirements.

Choose certainty. Add value.

TÜV SÜD is a premium quality, safety and sustainability solutions provider that specialises in testing, inspection, auditing, certification, training and knowledge services. Represented in over 800 locations worldwide, we hold accreditations in Europe, the Americas, the Middle East and Asia. By delivering objective solutions to our customers, we add tangible value to businesses, consumers and the environment.

Related services

TÜV SÜD provides the following related services:

- Complete system services
- Rolling stock services
- Training for the rail sector