

A photograph of a high-speed train in motion, with a red technical diagram overlaid on the right side. The diagram shows various lines and shapes, possibly representing a signal or track layout. The train is white and blue, and the background is a clear blue sky.

**Bahntechnik
mit Kompetenz**

Our expertise:

**Full-service
verification in the
approval process**

All aspects of the approval process for rolling stock

The homologation of rolling stock is becoming increasingly complex as a result of the continuing development of legal framework conditions.

We can offer you a complete range of services that will enable you to obtain the authorisation required to place your vehicles in service in the national and international environment. To meet your individual requirements, the following resources are available to you.

- Our own test benches and test laboratories
- Our own railway undertaking, complete with drivers, traction units and test coaches
- Our own experts and consultants for all specialist fields relating to homologation
- Our own recognised bodies for assessment and certification procedures:
 - Designated Body** (national requirements)
 - Notified Body** (European requirements)
 - Assessment Body** (safety assessments)

The services we provide meet the highest quality levels in compliance with all the relevant norms and industry standards.

Test centre and expert organisation



credits: DB AG/Jochen Schmidt

In its capacity as an independent railway undertaking, our test centre takes care of the entire process for handling the required trials and test runs.

- Official authorisation to perform test runs
- Network access approval
- Applications for train paths and working timetables
- Drivers and vehicles

With its recognised experts and consultants, our expert organisation (SVO) ensures that all the assessments and specialist reports required for the approval process are available.

- Expert's reports and assessments
- Audits and inspections
- Clearance for test runs
- Administrative assistant to the EBA for ECM certification

Our test centre and our expert organisation are your guarantee of independence, neutrality and confidentiality in the work being performed on your behalf. The expert organisation is accredited in accordance with DIN EN ISO/IEC 17020. The test laboratories are accredited in accordance with DIN EN ISO/IEC 17025. The accreditation is valid for the inspection and the test procedures listed in the annexes of the certificates.



Certified bodies for assessment and certification



credits: DB Systemtechnik 3x

Designated Body (DeBo)

The Designated Body tests and certifies compliance with national requirements (Notified National Technical Rules, NNTR). Since July 2013, the national requirements can be assessed in the German approval process by an interim DeBo by means of a Memorandum of Understanding for “Homologation procedures for rolling stock”.

- Assessment of compliance to NNTR requirements or from Annex 1 of the authorisation for placing in service directive (VV IBG)
- Verification of inner coherence by means of coherence managers (or safety managers in accordance with VV IBG)
- Preparation of the NNTR dossier
- Issuing of compliance certificate

Notified Body (NoBo)

The Notified Body assesses compliance with the European homologation requirements, which, in accordance with Directive 2008/57/EC, are defined in the Technical Specifications for Interoperability (TSIs). We perform the test and certification procedures as the partner of our UK-based NoBo, Railway Approvals Limited (RAL), and as an associated partner of the NoBo EISENBAHN-CERT (EBC).

- Assessment of compliance to TSI requirements
- Certification/monitoring audits of production
- Preparation of the technical dossier
- Issuing of the EC certificate of verification/EC certificate

Certified bodies for assessment and certification



Assessment Body (AsBo)

For safety-related and significant changes, in accordance with Regulation (EC) 352/2009 and Regulation (EC) 402/2013 (CSM-RA), an independent safety assessment of the risk management process by an independent assessment body is necessary.

In our capacity as an assessment body, we will perform this independent assessment of your systems. The independent assessment covers the following:

- completeness of the documentation for the risk management process,
- appropriateness of the risk management methods used,
- technical suitability of the conclusions.

The conclusions of the independent assessment are documented in the safety assessment report.

Benefit from our experts'
know-how for
your verification and
approval management needs

Range of services



credit: DB AG/Jet-Foto Kranert

Approval management

Our experts will support you in your planning and assist you in preparing a concept for the approval process. We will recommend the best approach to meet your needs, for example, when you are

- co-ordinating national and European requirements,
- carrying out homologation in more than one country,
- assessing the time and effort required for homologation in the case of innovative solutions or upgrades.

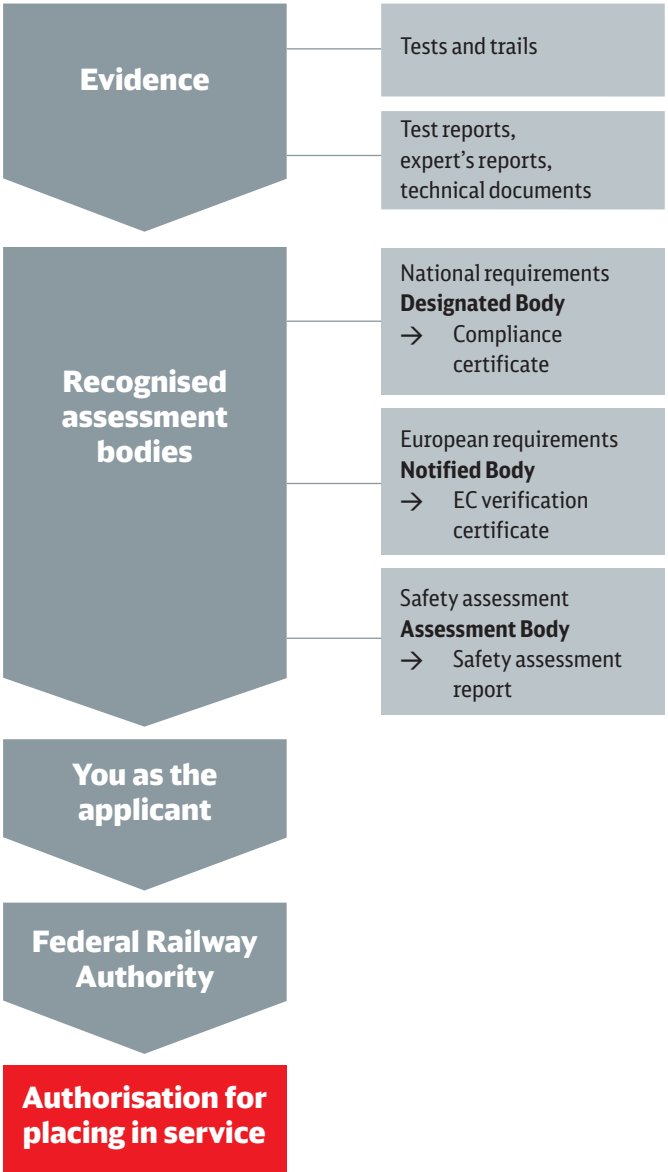
Risk management

Based on our many years of experience in the development, implementation, application and teaching of Regulation (EC) 352/2009 and Regulation (EC) 402/2013 (CSM-RA) provisions and the German scope of Safety Directive Rolling Stock (SIRF), we will develop tailor-made concepts for you designed to ensure that the risk management process meets all the requirements.

We will assist you in completing the risk assessment in a professional and targeted manner so as to ensure that it ideally matches the objectives and that the results are accepted in the approval process. You will receive from us the complete documentation on the risk assessment and a risk report.

The approval process for rolling stock in Germany

DB Systemtechnik expertise





Imprint

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Subject to change without notice.
We accept no responsibility for
the correctness of individual details.
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www.db-systemtechnik.de

A photograph of a high-speed train in motion, with a red technical overlay of lines and data points in the upper right corner. A red banner is visible on the left side of the train.

**Bahntechnik
mit Kompetenz**

Unsere Kompetenz:

**Die gesamte
Nachweisführung im
Zulassungsprozess**