



Ramboll ICB inspection body

Our clients benefit from the technical competence of our staff based on many years of experience in dealing with international regulations and standards, their practice as approved experts and our acceptance by national approval authorities.

The Ramboll Inspection Body is accredited as Inspection Body Type A according to DIN EN ISO/IEC 17020:2012 to carry out inspections in the following areas:

- assessment of quality and safety management processes according to CENELEC in the subareas control-command and signalling program 1
- assessment of safety cases for railway applications, signalling systems and software according to CENELEC program 2
- assessment of the conformity of interoperability constituents and subsystems according to the requirements of the TSI "control-command and signalling" program 3
- and determination of compliance with established and - on the basis of an expert assessment - general requirements

Furthermore, the Inspection Body also offers other assessment services such as assessment of requirements, specifications and test reports as well as independent opinions and inspection of engineering data.

CSM Assessment Body (AsBo)

The Ramboll ICB GmbH Inspection Body is recognised under No DE/36/0022/0035 as a CSM Assessment Body (AsBo) by the German Federal Railway Authority (EBA). As a type A inspection body, we independently assess, in the control-command and signalling field of activity, the adequacy of both the application of the risk management procedures and their results and the safe system integration in accordance with the Implementing Regulation (EU) No 402/2013.

The recognition comprises:

- Interlockings (ESTW Alstom (formerly Bombardier), point control components (POC) and signal control components (SOC))
- Level crossing technology (RBÜT (application software))
- Train control and protection equipment
- Secure data transmission (excluding Cyber Security)
- Assessment of application-independent Safety Cases (Generic Products, Generic Applications)

Designated Body Switzerland

Ramboll ICB GmbH is recognized as a designated body (BBS/DeBo) in Switzerland for the control-command subsystem (CCS) on the on-board side by the BAV.

Assessment for Control, Command and Signalling Subsystems

The safety of our clients' product is an essential prerequisite for successful approval. Ramboll ICB offers its clients an independent examination and assessment by our experts.

Our services in detail:

- Safety assessment of Trackside components, (sub-)systems and applications
- Safety assessment of Rolling Stock components, (sub-)systems and equipment
- Assessment of procedures and processes
- Assessment of requirements and specifications
- Independent Assessor Opinions
- Inspection of ETCS Engineering Data