What is IRIS Certification?
The International Railway Industry Standard (IRIS) is an internationally recognized management system standard specific to the railway industry. It is based on the ISO 9001 structure, but stipulates additional, railway-specific requirements for business management systems. IRIS is an initiative led by the Association of European Railway Industries (UNIFE). Equipment manufacturers applying for an IRIS Certificate must obtain it from an independent certification body.

What are the Benefits of IRIS Certification?
• Simplified supplier evaluation and approval processes
• Save time and money by eliminating individual supplier qualifications
• Offer web-based availability of your certification information to your current and prospective customers
• Improved product quality
• Potential to combine certification with ISO 9001

Six Steps to Attain IRIS Certification:
1. Preparation for IRIS certification
2. Readiness review (suggested)
3. Initial certification audit
4. Three-year IRIS certificate issuance
5. Periodic surveillance audits
6. Upon expiration, recertification audit

Why Choose TÜV Rheinland® as your Certification Body
TÜV Rheinland® is ideally suited to help system integrators, manufacturers, operators, transit agencies and equipment owners qualify and earn their IRIS certification because the company has:
• More than thirty years of direct rail industry experience
• Trained auditors covering a broad range of systems and components
• Specialists focused on testing, conformity assessment and management system certifications

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GUIDED TRANSPORT SERVICES

TÜV Rheinland® provides services for federal and state authorities, manufacturers of components and subsystems, railroad organizations, passenger rail operators and transit agencies.

Our Guided Transport Systems Division is a member of a worldwide-recognized provider for consultancy and independent assessment services in all areas of safety critical rail technology. With more than 30 years of experience, TÜV Rheinland® holds numerous accreditations, recognitions and authorizations as an international expert. We are pleased to be able to offer numerous services for:

- Public mass transit systems, including rail rapid transit, subways, light rail, streetcars, monorail
- Commuter rail systems
- Automated people-mover systems
- Freight railroad systems
- Intercity passenger rail systems
- High-speed ground transportation systems including MAGLEV Systems
- Joint track use applications, such as rail transit on railroads, and high-speed rail operations blended with commuter and freight trains

While the list of services TÜV Rheinland® offers constantly adapts and grows to meet our clients’ needs, a partial list of typical services we provide include:

- **Independent Review, Assessment and Certification of:**
  - System Safety Program Plans (SSPP)
  - Railroad Safety Program Plans (RSPP)
  - Product Safety Plans (PSP)
  - System Security Plans (SSP)
  - Hazard management processes
  - Software documentation
  - Safety concepts and cases
  - Operational instructions and procedures
  - Safety requirement specifications
  - Evacuation and rescue concepts
  - Validation and verification procedures and results
  - Emergency preparedness procedures
  - Safety assessment and certification for markets abroad (worldwide)

- **Hazard and Risk Hazard Analyses, Including:**
  - Preliminary Hazard (PHA)
  - Failure Modes, Effects, and Criticality (FMECA)
  - Fault Tree (FTA)
  - Event Tree (ETA)
  - Maintainability (MA)
  - Operating Hazard (OHA)
  - Interface Hazard (IHA)
  - Software Safety (SSA)
  - Hazard Logs

- **Software Applications Analyses, Such as:**
  - Software certification requirements
  - Software Management Control Plans (SMCP)
  - Software configuration control procedures
  - Independent software assessments
  - Support throughout the software development process
  - Software documentation

**The Choice of TÜV Rheinland® is “Precisely Right” When Guided Transport Operators and Suppliers Require:**

- Access to a global network of multidisciplinary rail technology experts
- Domestic and international accreditations, recognitions and authorizations by state and federal governments and operating authorities
- Broad knowledge and expertise, as evidenced by worldwide high-profile reference projects