

Railway & Transit

ENGINEERING & TESTING
TECHNICAL PUBLICATIONS & LOGISTICS SERVICES

We're There.



dtb.com

Railway & Transit



Environmental Testing



On-site Testing



PTC Communications Lab

◆ DTB & Rail Services

Collaboration between DTB's Engineering & Test Division and Technical Services Division results in full-spectrum support for the rail industry. We provide comprehensive testing and engineering services in our 300,000 sq. ft., independent laboratory, technical documentation that meets industry needs, and rail subject matter experts who provide recommendations and serve as advisors. We maintain control of program schedules by offering extensive internal services to complement and augment your test requirements such as engineering, materials analysis, and precision machining.

◆ Engineering & Testing Services

DTB provides a wide range of laboratory and on-site testing services, performed in accordance with the latest standards and tailored to transit authority specifications. We can perform full vehicle qualification/compliance testing and site surveys, relay room, track and wayside equipment testing, as well as vehicle instrumentation and data acquisition. We assist in troubleshooting problems that arise in the field by testing solutions in a safe environment.

Our new, PTC Communications Test Lab expands our capability to test PTC communications, components, and infrastructure in support of NEC railroads and beyond. We can assist you with troubleshooting and testing, providing vital information for current and future communications systems.

- Dynamics & Vibration
 - Vibration
 - Shock/Pyro Shock
 - Dynamic Simulation
 - Acoustic Noise
- Environmental
 - Temperature & Humidity
 - Sand & Dust
 - Fluid Susceptibility
- EMI/EMC
- Engineering & Analysis
 - Inspection
 - Failure Analysis
 - Metallurgy Lab
 - Strain Gauge Installation

Our large chambers can accommodate full system configurations and a choice of the appropriate vibration table – T5500, T4000, T2000, T1000.

Standards

APTA SS-E-010-98 · AREMA · AAR
UMTA · EN-50121 · EN-61373 · IEC-62326
IEC-571 · IEC-62498-1 · MIL-STD-810
MIL-STD-461 · NYCT-CETP · Tailored NYCT 1N/17S

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◆ Technical Publications & Logistics Services

Regardless of the size or complexity of your platform, system, or component, our team of documentation experts will analyze your requirements, assimilate and evaluate the source data, and develop technical manuals that complement the maintenance and performance for servicing your rail equipment.

Our team of technical writers, illustrators, engineers, programmers, analysts, logisticians, and data specialists deliver world-class technical publications and logistics analysis tailored to meet your needs. As members of the Northeast Corridor (NEC) working group and drawing from our extensive experience with railroad hardware, software, implementations, and programs supporting the rail industry, DTB's team of experts have an in-depth comprehension of FRA regulations, safety and job hazard mitigation, and implementation requirements.

We are experts across the spectrum of mechanical, electrical, hydraulic systems, and equipment, and we can produce technical publications and logistics deliverables – prepared for today's sophisticated requirements.

◆ Defining the Specification Requirements

Our team prepares clear, concise manuals and documentation, and are dedicated to support your rail requirements. Deliverables are developed using industry best practices to organize, revise, maintain, and manage submittals.

Our underlying prerequisite: The end-user, with no prior knowledge of the system, must be able to easily understand the documentation and its use in performing maintenance practices, provide training to operators and maintenance teams, and/or gain FRA certification. We distill the complex into easy to understand and use documentation.

◆ Technical Documentation & Information Data Services

- PTC Safety Plans
- Operator & Maintenance Manuals
- Hardware/Component Manuals
- Training Manuals
- Revenue Service Demonstration (RSD) Documentation



Technical Publications



EMI/EMC On-site Testing



Vibration Testing

Railway & Transit

ENGINEERING & TESTING
TECHNICAL PUBLICATIONS & LOGISTICS SERVICES

With over 70 years of experience, DTB enhances your mission by providing a wide range of engineering services, testing, logistics, technical publications, and military mission systems services. With an unmatched commitment to communication and teamwork, we are an extension of your engineering team – finding solutions to challenges and producing outstanding results. Count on our dedicated staff to deliver timely solutions, ensuring you stay on schedule.

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