

Positive Train Control (PTC)

Improving the Safety and Efficiency of North American Railroads

To help railroads meet the requirements of recent Congressional mandates, ARINC is leveraging more than 23 years of advanced train control system design, development, testing, and evaluation. Our PTC experts can provide a range of systems engineering and development capabilities to support railroads in preventing train-to-train collisions, derailments due to over-speed operation, movement of trains through a switch left in the wrong position, and protecting track workers.

U.S. passenger and freight railroads subject to the requirements of the Railroad Safety Improvement Act of 2008 must submit a PTC Implementation Plan for FRA approval by April 16, 2010, and complete PTC deployment on affected lines by the end of 2015.

ARINC has been involved in PTC related design and engineering, technology evaluations and pilot systems since 1985. We understand exactly what it will take to meet these challenging safety and implementation schedule requirements. Our support to mainline railroads and transit agencies includes:

- ▶ Developing PTC industry standards
- ▶ Preparing system specifications
- ▶ Preparing bid packages
- ▶ Overseeing system implementations
- ▶ Conducting PTC test programs
- ▶ Deploying office systems
- ▶ Developing back office message switching and interface systems

ARINC also provides PTC planning, documentation development to meet FRA requirements, system engineering and design, interoperability design and implementation, subsystem development, procurement

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DEDICATION BEYOND EXPECTATION



Quick Facts

- ▶ Over 20 years experience in PTC engineering and development
- ▶ Freight, commuter, intercity passenger, and transit rail systems
- ▶ Over 25 current dispatch/control center installations
- ▶ PTC strategic planning, documentation preparation, system deployment, system testing, and type approval or system certification
- ▶ Message handling and dispatch interface system based on ARINC Advanced Information Management (AIM) platform currently used in train control throughout North America



support, and system testing for all development and deployment needs. We'll help you meet requirement deadlines and ensure it's done the right way the first time.

Developed to support many different methods of railroad operation and meet regulatory mandates, PTC will go a long way towards ushering in a new era of collision avoidance, passenger protection, and worker safety. Take advantage of ARINC's experience engineering and deploying PTC technologies—we're onboard to help you implement the best solutions for these new challenges.

ARINC, a portfolio company of The Carlyle Group, provides communications, engineering and integration solutions for commercial, defense and government customers worldwide. Headquartered in Annapolis, Maryland, with regional offices in London and Singapore, ARINC is ISO 9001:2008 certified.

To learn more log onto arinc.com/ptc or email ptc@arinc.com

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