A mission-critical voice dispatch console with enterprise-wide capability that improves rail operations efficiency, safety, delivery reliability, and velocity.

**FEATURES**

**SUPPORTS COMMON RADIO & TELEPHONY INTERFACES**
- Standard Analog FM
- NXDN for both Conventional & Trunked Modes
- DMR Tier III
- TETRA
- MPT-1327 Trunked Radio Communications Networks
- Traditional & IP-based PBXs

**ENTERPRISE-WIDE VOICE COMMUNICATIONS MANAGEMENT**
Scout offers a unique suite of enterprise management tools that allows for system visibility and management of voice communications over large distributed enterprises that are typical in the railroad industry. Several key benefits include reduced enterprise-wide LAN/WAN VoIP traffic bandwidth, centralized console configuration and management, as well as unified views of system diagnostics, alarms, and reports.

**AUTOMATIC FAILOVER = UNIVERSAL PROTECTION**
Automatic failover ensures that voice communication systems will be available at any time providing the reliability that is essential in mission-critical environments.

**CUSTOMIZABLE GRAPHICAL USER INTERFACE (GUI)**
Scout’s simple yet intuitive GUI improves efficiency by allowing dispatchers to personalize their screen pads and data based on workflows and operational needs. Touch screens can be configured to match legacy screen configurations, or new ones can be created based on user preferences.

**SIMPLIFIED INTEGRATION WITH OTHER VENDORS**
Incorporates open standards components from other vendors:
- IP-based logging recorders, IP-enabled base station radios,
- IP video cameras, train control systems, and IP-enabled PBXs from leading vendors such as Avaya, Cisco and NEC.

**MORE DISPATCHING OPTIONS**
Whether for a mainline, yard, disaster recovery, or to monitor communications, Scout offers console options that meet your dispatch requirements. The Scout Plus solution provides dedicated hardware for audio processing in mission-critical, 24x7 dispatch communication centers. For users that require mobility or remote access from a desktop or laptop PC, Scout’s software audio package provides a robust feature set with access to multiple communications channels and a configurable graphical user interface (GUI). The Scout with Ranger™ application is an alternative to legacy desk set devices. It offers a concentration of Scout’s features with access to four radio channels hosted on a PC or laptop. Both Scout’s software audio package and Ranger use USB peripherals, making them ideal for fixed or portable communications.

**SCALABLE AND “IT-FRIENDLY”**
Scout is a pure VoIP solution because all of its components may be distributed over a LAN/WAN infrastructure using standard Ethernet technology, without the need for a centralized TDM (Time Division Multiplex) switch. If dispatch center size and locations change, then Scout easily adjusts to the required scaling needs. The system can also be configured to send Simple Network Management Protocol (SNMP) messages to system administrators for alarms and events. By being “IT-friendly,” system maintenance is simplified significantly.
EXTERNAL CHALLENGES

The railroad industry faces external challenges that are a result of intense competition, an unpredictable freight portfolio mix, and austere regulatory requirements. Collectively, these challenges have had a significant performance impact on main line and yard dispatch, disaster recovery centers, as well as operational and support activities.

Avtec Scout™ voice dispatch console systems provide a feature rich communication solution that maximizes efficiency, ensures safety, increases delivery reliability and velocity, and reduces cost which is vital to the success of railroad operators worldwide.

BENEFITS

Avtec’s Scout voice dispatch console systems are a pure Internet Protocol (IP) communications tool that can integrate with third-party technologies – like logging recorders – to provide one-touch access to locomotive/wayside radios that might otherwise require multiple touches across unique tools. The Scout system is based on open standards so you are not “locked-in” to a proprietary system. This means you can use any open standard communications equipment, which simplifies the upgrade and migration strategy and thus helps to future-proof the dispatch centers.

PROVEN EXPERIENCE

For more than 35 years, Avtec has provided railroads worldwide with proven, trusted, and reliable voice dispatch consoles that improve operational efficiency and safety. That’s the reason Scout has been chosen by the following for their next generation voice dispatch console solutions:

• 70% of Class I railroads in North America
• More than 20 short line, regional, and freight railroads in the United States
• Leading international rail companies in Mexico, Brazil, and Panama

With the responsibility of tons of valuable freight as well as lives on the line much each day, railroad dispatchers need communication systems that don’t simply get the job done. Scout performs external fair. The flexibility and utility of the Avtec Scout voice dispatch console supports the demands of the railroad industry, and equips dispatchers with consoles you can count on.

OPERATIONAL IMPACTS

Operationally, Avtec Scout voice dispatch consoles enable dispatchers to efficiently manage and coordinate:

- Locomotive and track side two-way radio communications to the dispatch center.
- Yard and Intermediate facilities activities.
- Disaster Recovery operations.
- Operations support for maintenance scheduling, field troubleshooting, and security tasks.

Avtec’s Scout consoles can handle all voice communications needs – including radio and telephony – and can seamlessly interconnect voice calls between the technologies. They can be configured to display radio and telephonic devices as line pads, emergency indications, and other operational data required for successful voice communications that are at the core of train scheduling and movement decision-making. Additionally, Scout consoles have diagnostic and report capabilities that provide monitoring and storage of dispatcher activity to facilitate understanding of dispatcher performance as well as assisting incident investigative analysis.