



What's New...

Scout Version 4.3

Scout™ Version 4.3, released in fall 2016, adds improvements to broaden Scout's ability to provide customers with more communication choices, includes features to tailor and streamline the dispatcher's experience, and expands capabilities for efficient configuration and system management.

Critical Communication Support

NXDN Conventional Control Station Wireless Interface with Kenwood NX-5000 Series Mobile Radios

This new control station interface allows Scout to support a next generation digital radio product: NXDN. The following features are supported in the wireless NXDN conventional interface: System All Call, Emergency Call/State, Encryption AES/DES, Frequency/Channel Selection, Group Call, Over the Air Alias, PTT ID/ANI Alias, Unit Call, Unit Check, Unit Monitor, Unit Stun/Revive, and Zone Select. Scout interfaces to NX-5000 series mobile radios using the Avtec Outpost Base Station Controller and a Control Station kit with license.

NXDN Trunked Control Station Wireless Interface with Kenwood NX-5000 Series Mobile Radios

This new control station interface allows Scout to support a next generation digital radio product: NXDN. The following features are supported in the wireless NXDN Trunked Interface: System All Call, Emergency Call/State, Encryption AES/DES, Channel Selection, Group Call, Over the Air Alias, PTT ID/ANI Alias, Unit Call, Unit Check, Unit Monitor, Unit Stun/Revive, and Zone Select. Scout interfaces to NX-5000 series mobile radios using the Avtec Outpost Base Station Controller and a Control Station kit with license.



P25 Conventional Control Station Wireless Interface with Kenwood NX-5000 Series Mobile Radios

This new control station interface supports P25 in conventional mode. The following features are supported in the wireless P25 conventional interface: Emergency Call/State, Encryption AES/DES, Frequency/Channel Selection, Group Call, and PTT ID/ANI Alias, and Zone Select. Scout interfaces to NX-5000 series mobile radios using the Avtec Outpost Base Station Controller and a Control Station kit with license.

P25 Trunked Control Station Wireless Interface with Kenwood NX-5000 Series Mobile Radios

This new control station interface supports P25 trunked mode. The following features are supported in the Wireless P25 trunked interface: Emergency Call/State, Encryption AES/DES, Channel Selection, Group Call, PTT ID/ANI Alias, and Zone Select. Scout interfaces to NX-5000 series mobile radios using the Avtec Outpost Base Station Controller and a Control Station kit with license.

MOTOTRBO™ Capacity Max Wireline Interface Support

Scout now supports MOTOTRBO Capacity Max with a wireline interface. Scout 4.3 supports the following features: PTT ID/ANI Alias, Group Call, Emergency Call, Private Call, Site All Call, System All Call, Unit Stun/Revive, Polite Console Interrupt, Gateway Redundancy, Console Priority, Enhanced Privacy, Encryption AES, and Late Entry. The MOTOTRBO Wireline interface is licensed separately with a supplementary VPGate license.

MOTOTRBO™ Connect Plus Control Station Wireless Interface with Motorola XPR 5000 Series Mobile Radios

For interoperability with MOTOTRBO radio systems when wireline connectivity is not possible, Scout 4.3 introduces a new control station wireless interface for connecting to Connect Plus applications with XPR 5000 series mobiles.

The following features and functions are supported in the wireless Connect Plus interface: Group Call, Emergency Call, Frequency/Channel Selection, Multi-Group Call, System All Call, and PTT ID/ANI Alias. Scout interfaces to XPR 5000 series mobile radios using the Avtec Outpost Base Station Controller, Digi Anywhere USB device, and a Control Station kit with license.

Selex DMR Tier II AIS Wireline Interface Support

Scout now supports Selex Tier II with an AIS wireline interface. In Scout 4.3, the interface supports the following conventional functionality: unit-to-unit calls, group calls, inbound emergency group calls, and stun/revive for radios. This functionality is licensed separately with a supplementary VPGate license.

Selex DMR Tier III Trunked AIS Wireline Interface Support

Scout now supports Selex Tier III trunked with an AIS wireline interface. Scout 4.3 supports the following features: Unit Call, Group Call, Inbound Emergency Group Calls, PTT ID/ANI Alias, Unit Check, Console Priority, and Unit Stun/Revive. The DMR Wireline interface is licensed separately with a supplementary VPGate license.

CSSI Wireline Interface to P25 Phase 2 Systems

Scout enhanced its existing P25 CSSI wireline interface by supporting Phase 2 systems. This interface continues to support the P25 Phase1 features. The following voice functionality is supported: Encryption Key Manager, Announcement Group Call, Console Over Console Priority/Transmit Priority, Console Over Subscriber Priority, Emergency Call/State, Encryption AES/DES, Late Entry, PTT ID/ANI Alias, Unit Alert, Unit Call, Unit Check, Unit Monitor, and Unit Stun/Revive. The CSSI Wireline interface is licensed separately with a supplementary VPGate license.

CSSI Wireline Interface to P25 Etherstack Systems

Scout CSSI wireline interface is now re-qualified with the Etherstack's P25 Phase 1 infrastructure. Scout supports the following features: Announcement Group Call, Console Over Console Priority/Transmit Priority, Console Over Subscriber Priority, Emergency Call/State, Encryption AES/DES, Late Entry, PTT ID/ANI Alias, Unit Alert, Unit Call, Unit Check, Unit Monitor, and Unit Stun/Revive. The CSSI Wireline interface is licensed separately with a supplementary VPGate license.

SIP Trunking Capability

Scout accommodates the use of SIP Trunking which gives customers more options for connectivity. Customers may also benefit from lower operating costs depending on their current method of connectivity.

Scout SIP Trunking has been qualified with Cisco Unified Call Manager.

Efficient System Management

Software License Keys for Scout Components

In Scout 4.3, components may be enabled using either a traditional HASP dongle or a newly supported software license key. Software keys simplify operations, especially in virtual environments when USB management is challenging. Scout System Administrators will activate and apply software license keys using the Scout Central Distributor. This activation process accommodates Scout systems with or without a direct connection to the Internet.

ScoutLink™

ScoutLink™ is a new software component that connects licensed, front-end, SIP devices or applications into a Scout system. ScoutLink enables non-traditional dispatching consoles to connect into a traditional Scout system to access VPGate endpoints. Designed to extend endpoint communication to occasional users or to locations that do not require a traditional, full-featured, Scout console, ScoutLink enables existing customers to expand a Scout system to a wider range of users. ScoutLink is licensed separately.

Mini SIP Console

The Mini SIP Console is a small, portable hardware device that saves space, needs minimal configuration, and is easy to install and use. For supervisors or other users who need to monitor a limited number of channels for situational awareness and occasional conversation, the Mini SIP Console provides a straightforward, economical solution. When connected to a Scout system via a licensed connection to ScoutLink, the Mini SIP Console provides access to endpoints in a Scout system for monitor and push-to-talk (PTT) functions.

Concurrent Editing of Scout Manager Locations

Many customers have multiple dispatch locations or divisions. To ensure timely maintenance, Scout Manager now provides an overall view of the Scout system while providing the flexibility for concurrent editing of locations.

With Scout Version 4.3, configuration information is organized by location and access can be restricted to those locations. By organizing the project by location, multiple Scout Administrators can manage their configurations simultaneously. This functionality is licensed separately with an Enterprise Management (EMT) license.

Operational Flexibility

Call Voter Redundancy

The Call Voter ensures the best call audio is provided to the console from multiple radio receivers. Scout 4.3 offers Call Voter redundancy, ensuring the high availability of voting capability.

Implementing Scout Components on a Virtual Machine

Avtec qualified the following Scout components for implementation in a virtual environment: DMS, VPGate, VPGate Mixer, Frontier, Call Voter, Encryption Key Manager, P25 Trunking Gateway, Avtec Routing Controller (ARC), and Avtec SIP Proxy. These components were qualified using vSphere 5.5. Avtec provides deployment guidelines to help customers deploy Scout components on virtual machines.

Dynamic Talkgroup Selection for MOTOTRBO™ Linked Capacity Plus

In addition to static talkgroup endpoints for daily communication, Scout now supports Dynamic Talkgroups. This allows the dispatcher to activate a talkgroup by selecting from a list of talkgroups.

Enhanced Security

Administrator Audit Trail for Scout Manager

In Scout 4.3, Scout System Administrators can create Scout Management Audit Reports. These reports allow the tracking of administrator logins, failed administrator login attempts, configuration changes made in Scout Manager, and project deployments.

Restricted Access to MOTOTRBO™ Linked Capacity Plus (LCP)

The Restricted Access to System (RAS) feature in Motorola's Linked Capacity Plus system prevents unauthorized subscribers from using the system.

Operating System Support

Qualify Windows Server 2012 on Scout Suite Products

Scout has been qualified on Windows Server 2012 R2 to ensure that Avtec products run on current Windows Server OS versions. The following Scout components are now qualified on Windows Server 2012 R2: VPGate, VPGate Mixer, Avtec Routing Controller, Trunking Gateway, Call Voter, Avtec SIP Proxy, DMS, Frontier, Encryption Key Manager, ScoutLink, and Scout Manager.

Qualify Windows 10 on Scout Suite Products

In an effort to ensure compatibility with Microsoft Windows offerings, Scout is qualified on the Windows 10. The following components have been qualified: VPGate, VPGate Mixer, Avtec Routing Controller, Trunking Gateway, Call Voter, Avtec SIP Proxy, DMS, Frontier, Encryption Key Manager, ScoutLink, Console, Ranger, and Scout Manager.

NOTE

Scout Console Redundant NIC Support:

Intel does not yet support NIC teaming in Windows 10. Therefore, Scout's redundant NIC support is not available when running Windows 10. Scout's redundant NIC support continues to be available when running Windows 7.

Essential Compatibility Testing

As part of a continuing effort to ensure that Scout remains compatible with its technology partners, Avtec tested and approved compatibility with the following:

- **Motorola's MOTOTRBO™ v2.7** (tested compatible for Scout 4.3)
- **Verint Logging Recorder:** Avtec sponsors the "Works with Scout" program which enables Logging Recorder partners to obtain various levels of compatibility with Scout. Gold CE is the highest possible level, and Verint achieved this status during the Scout 4.3 time frame. "Gold CE" designates that a logging recorder application successfully captures and plays back both audio and metadata at the Console ("C") and at the VPGate Endpoint ("E"). The Verint qualification was performed using Scout 4.2 software release.
- **Dispatcher Localization Support:** With this feature, the Scout System Administrator can configure a dispatching center with multiple languages (Spanish, French, Brazilian Portuguese, or English) used among the console positions to meet the needs of the various dispatchers.

MOTOROLA and the Stylized M Logo are registered in the U.S. Patent and Trademark Office. All other product and service names are the property of their registered owners. © Motorola, Inc. 2016.

The material in this document is for information only and is subject to change without notice. While reasonable efforts have been made in the preparation of this document to assure its accuracy, Avtec, Inc. assumes no liability resulting from errors or omissions in this document, or from the use of the information contained herein. Avtec, Inc. reserves the right to make changes in the product design without reservation and without notification to its users.

Scout™, VPGate™, Frontier™, Avtec SIP Proxy™, CommScape™, and Outpost™ are trademarks of Avtec, Inc.

© Avtec, Inc. 2016.