



Scout Release Notes

This document contains the release information for Scout 4.1. It includes a summary of new features, enhancements, and known and resolved issues. The Release Notes are intended for system installers, administrators, and users. Avtec recommends reviewing this document before installing or configuring Scout.

This document includes release details for the following components:

Scout (up to 4.1.14)

Data Management Services (DMS) (up to 4.1.14)

VPGate (up to 4.1.14)

VPGate Advanced Radio (ARS) (up to 4.1.7)

Outpost (up to 4.1.7)

Frontier (up to 4.1.10)

IMPORTANT

If installing the 4.1.14 patch on a system running a version prior to 4.1.7, you must upgrade all other Scout components to their latest versions for the system to function properly. For any components not upgraded, DMS may not reliably clear alarms that have been sent to SNMP devices.

What's New Scout 4.1

Scout Version 4.1, released in fall 2015, enhances the latest Scout architecture with improvements for critical communication support, operational flexibility, user efficiency and productivity, and system management. This Scout version includes communication support for P25 Phase 2, Broadband PTT, as well as new DMR features. In addition, multi-site intercoms and configurable SNMP traps bring operational flexibility to the system. To support the fast response that mission critical communication demands, Scout 4.1 adds user capabilities for monitoring calls and for returning calls. And for administrators, new summary reports help ease the management of a Scout system.

Critical Communication Support

Scout Support for Airbus Supergroups

Scout's latest version supports Airbus supergroup endpoints as static supergroups. A supergroup, which is a combination of talkgroups, can combine from two to twenty talkgroups. In Scout's implementation, when a talkgroup endpoint pad includes a text pad extender, the pad extender indicates when the talkgroup is active as part of a supergroup as well as the identification of the supergroup. The indication helps remind the dispatcher that the talkgroup is in use via the supergroup and cannot be used individually. The supergroups are part of the Airbus P25 Privileged Mode implementation. This enhancement was introduced in Scout 3.5, Scout 4.0, and Scout 4.1.

P25 Privileged Mode Phase 2 Support

Scout enhanced its existing P25 CSSI interface (driver) by adding support for Privileged Mode Phase 2 when using the driver in Privileged Mode. This enhancement provides greater spectrum efficiency with narrowbanding to 6.25 kHz. While this enhancement does not apply to the driver's P25 CSSI connection type, the driver continues to support the P25 Phase 1 features that were implemented previously.

Airbus v3.01 Firmware Support

During the Scout Version 4.1 development time frame, Scout tested and verified its compatibility with the Airbus v3.01 firmware. The firmware supports EADS Privileged Mode and P25 CSSI.

Cimarron Five-Digit ANI Support

Cimarron developed a GE Star ANI that displays five digits. In Scout's latest version, its Cimarron interface supports the five-digit display. Scout continues to support the Cimarron standard, three-digit ANI format.

Kodiak Broadband PTT Support

Scout now supports Kodiak's Broadband PTT for AT&T subscriber units. AT&T interfaces with a Kodiak gateway that is connected to Scout through Avtec's Trunking Gateway. The Scout dispatcher can use the AT&T channel to send and receive group calls. The interface also supports dispatcher and caller ANI as well as patching. The Scout-AT&T connection requires a supplementary DMR license.

Tait Mobile P25 Enhancements

Scout's interface for Tait Mobile radios, which supports conventional mode and analog mode, is now enhanced to add support for advanced radio features, unit-to-unit calls for P25 systems, and trunked mode operation. The advanced radio features implemented include unit call, stun/revive, unit check, unit alert, and unit monitor. Trunked mode supports group calls, unit calls, unit alerts, and emergency calls.

Tait Mobile DMR Enhancements

Scout's Tait Mobile interface now supports the TM9300 radio with DMR Tier II (Conventional) functionality for group calls, ANI, emergency calls, unit check, and stun/revive.

IP Site Connect LE Supported Protocol Update

Scout's IP Site Connect solution is now compatible with newer repeater firmware releases that support later versions of the Link Establishment (LE) Protocol to stay within Motorola Supported Protocol V7.

Operational Flexibility

Multi-Site Intercoms

Dispatcher communication over diverse geographical sites via Scout is a reality with this version of Scout. Multi-site intercoms allow Scout System Administrators to configure intercom endpoints for dispatchers in an enterprise environment without regard to physical location. The refactored intercom feature uses a SIP platform instead of a

multicast address to support dispatcher intercoms. Scout System Administrators configure intercoms using a SIP Proxy Web interface. As in previous Scout versions, the intercoms support intercom group paging, voice or ring announce calls, the callback function, emergency intercom calls, console audio monitoring, call forwarding, and console transfer. As an addition, the new intercoms provide a group ring feature for regular or emergency calls. Group ring allows a console intercom to ring all members of a configured console intercom group until one dispatcher answers the call. When answered, Scout sets up a one-to-one intercom call.

Configuration Option for SNMP Traps

Scout enhanced its support for SNMP managers to allow the Scout System Administrators to configure how the managers interact with Scout's events and alarms. A new filter in the "Add SNMP Manager" window lets the administrator configure the manager to receive events only, low alarms only, minor alarms only, major alarms only, or any combination of the categories. In addition, Scout identifies inactive SNMP managers and provides a configuration option to hide them.

Enhanced User Efficiency and Productivity

Dispatcher Login by Communication Landscape

A new feature to support free seating in a dispatching center enables dispatchers to log in to Scout by the dispatching territory that the dispatcher manages for a work shift. The dispatching territory, known as a Communication Landscape or CommScape, includes startup screens, call-in codes, hunt groups, and endpoints. The Scout System Administrator configures and assigns CommScapes for dispatchers, including a default CommScape for each dispatcher. The CommScapes display when the dispatcher logs in. If a shift requires the dispatcher to work a CommScape other than the default, the dispatcher simply selects the CommScape from a list on the Scout User Interface login screen to display the appropriate Scout configuration. CommScape login is not available for computer aided dispatch (CAD) systems.

Dispatcher Localization Support Update

For international customers, Scout Minor Release 4.1.7 updates new tools and on-screen help topics added since v3.4 to allow the Scout GUI and Dispatcher help to be presented in a selected local language. When configuring Scout positions for dispatchers, the Scout System Administrator can choose from Spanish, French, Brazilian Portuguese, or English as the dispatcher's language. English remains the default language for Scout, but if a position is configured for a different language, when the dispatcher accesses the system, the Scout User Interface tools, the dispatcher messages, and the other text that the dispatcher sees display in the configured language. A startup language can also be associated with a dispatcher user for dispatching centers that use Scout's Dispatcher Login feature. As a part of localization, dates, times, and measurements also reflect the format for the local custom; and, while using Scout, if the dispatcher needs to access the Dispatcher Online Help, that too displays in the configured language. With this implementation, the Scout System Administrator can configure a dispatching center with multiple languages used among the console positions to meet the needs of the various dispatchers.

Return Call from Activity History

Traditionally, Scout has enabled dispatchers to return telephone calls from the Activity History control by touching a Return Call icon. If the endpoint is configured to allow the Return Call action, Scout automatically performs all call steps.

Scout's latest version introduces a similar Return Call function for radio endpoints. The feature allows Return Calls from the Activity History control for unit calls or talkgroups in a conventional radio system. When the dispatcher touches the Return Call icon, Scout performs the actions necessary to make the call. These actions include selecting the endpoint where the call originated and automatically setting required information such as frequency, encryption key, unit ID, and group ID. Scout also brings focus to the screen where the endpoint that is returning the call resides. As with the Return Call for telephone endpoints, the Scout System Administrator can configure which radio endpoints use this feature.

Monitoring SIP Endpoints

This new feature for SIP endpoints allows a dispatcher to place a telephone line in Unselect to monitor audio on the line. This enables the dispatcher to monitor one or more telephone lines continuously without being a part of the conversations. As an example, if the dispatcher is in a conversation with someone who must step away from the phone, the dispatcher can continue to monitor the call until the other person returns.

Monitoring ED-137 Endpoints

Scout's support for the ED-137 interface now allows receive-only configuration for ED-137 endpoints. This enhancement lets personnel, other than those authorized to transmit, have listen-only access to the ground radio station (GRS). This configuration does not allow the listener to PTT and it is dependent upon a connection to a receiver. This enhancement was introduced in Scout 3.5 as well as Scout 4.1.

Efficient System Management

Statistical Reports Summary Snapshots

The multi-site statistical reports introduced in Scout Version 4.0 now provide a higher level, summary snapshot of the statistical data. Available on the Reports tab in the Scout Central Distributor (SCD), the reports provide intuitive charts that reflect endpoint state changes and push-to-talk activity by site and by total Scout system. The data helps the Scout System Administrator understand the activity level, both high and low, for dispatchers, consoles, and endpoints for a specified time frame. At the time of running the report, the administrator chooses the variables for the report.

Frontier Scalability Testing

In previous releases, tests validated that a single Frontier could create up to 20 outbound Frontier peer connections and accept up to 200 inbound peer connections. Outbound connections gain access to endpoints across the WAN for local use and the inbound peer connections provide access to local endpoints for peers from across the WAN. During the Scout 4.1 development time frame, Avtec validated that a single Frontier that is home to local endpoints can accept up to 400 inbound Frontier connections for access to its endpoints.

What's Excluded 4.1

The following features are not available in Scout 4.0 and 4.1:

Alarm Notification pad

Gather Files utility

Run Console (Simulation) in Scout Manager

Scout System Requirements

Refer to the *Scout System Requirements Guide* for the complete list of requirements.

NOTE

The Scout Central Distributor (SCD) must be installed on a computer with a 64-bit operating system.

Microsoft Security Patches

Critical and Important Microsoft Security Patches created on or before August 2015 were qualified by Avtec and are now supported with Scout Release 4.1. If there are any questions please contact Avtec Customer Support.

NOTE

Avtec does not recommend configuring system computers for automatic Windows updates.

Scout Installation Media, Components, and Prerequisites

The following table provides information on Scout components and prerequisites. A component's prerequisites install automatically with the installation of the component. If installing the prerequisites separately, verify the necessary version of each prerequisite installs.

Media	Components	Prerequisites	Version
Data Management Services (DMS)	Scout Central Distributor (SCD) Notes: SCD must be installed on a computer with a 64-bit operating system. The Scout Migration Utility automatically installs with SCD.	Microsoft® .NET Framework 4.5.1	4.5.50938
		Microsoft® SQL Server Compact SP2 Express	3.5.8080.0
		Microsoft® .NET Framework 3.5.1 (Windows 8.1 only)	11.0.5058.0
		Note: Windows 8.1 enables Microsoft® .NET Framework 3.5.1.	

Media	Components	Prerequisites	Version
Scout	Scout Console/Scout Manager Instant Recall Recorder (IRR) Ranger: 90-Day Trial License Note: The Ranger 90-Day Trial License is not available with Windows 8.1.	Microsoft® .NET Framework 4.5.1	4.5.50938
		Microsoft® SQL Server Compact 3.5 SP2 (x64)	3.5.8080.0
		Microsoft® SQL Server Compact 3.5 SP2 (x86)	3.5.8080.0
		UltiDev Web Server Pro	2.0.17
		Visual C++ 2008 SP1 Redistributable Package (x86)	9.0.30729
		Visual C++ 2010 Redistributable Package (x86)	10.0.40219
		Note: SQL Server Compact 3.5 SP2 (x64) does not automatically install on 32-bit operating systems.	
VPGate	VPGate Call Voter Avtec Routing Controller (ARC) Avtec SIP Proxy	Microsoft® .NET Framework 4.5.1	4.5.50938
		Microsoft® SQL Server Compact 3.5 SP2 (x64)	3.5.8080.0
		Microsoft® SQL Server Compact 3.5 SP2 (x86)	3.5.8080.0
		UltiDev Web Server Pro	2.0.17
		Visual C++ 2008 SP1 Redistributable Package (x86)	9.0.30729
		Visual C++ 2005 Redistributable Package (x86)	8.0.59193
		Note: Microsoft® SQL Server Compact 3.5 SP2 (x64) does not automatically install on 32-bit operating systems.	
MDC1200	MDC1200	N/A	
VPGate AdvRadio	VPGate Adv. Radio Support with Encryption Scout Trunking Gateway	Microsoft® .NET Framework 4.5.1	4.5.50938
		Microsoft® SQL Server Compact 3.5 SP2 (x64)	3.5.8080.0
		Microsoft® SQL Server Compact 3.5 SP2 (x86)	3.5.8080.0
		UltiDev Web Server Pro	2.0.17
		Visual C++ 2010 Redistributable Package (x86)	10.0.40219
		Note: Microsoft® SQL Server Compact 3.5 SP2 (x64) does not automatically install on 32-bit operating systems.	

Media	Components	Prerequisites	Version
Scout Frontier	Frontier	Microsoft® .NET Framework 4.5.1	4.5.50938
		Microsoft® SQL Server Compact 3.5 SP2 (x64)	3.5.8080.0
		Microsoft® SQL Server Compact 3.5 SP2 (x86)	3.5.8080.0
		UltiDev Web Server Pro	2.0.17
		Visual C++ 2010 Redistributable Package (x86)	10.0.40219
		Note: Microsoft® SQL Server Compact 3.5 SP2 (x64) does not automatically install on 32-bit operating systems.	

Enhancements and Resolutions

Issue	Product	Release	Description
IMPORTANT			
If installing the 4.1.14 patch on a system running a version prior to 4.1.7, you must upgrade all other Scout components to their latest versions for the system to function properly. For any components not upgraded, DMS may not reliably clear alarms that have been sent to SNMP devices.			
DE12254	Scout/VPGate	4.1.14	Configuring the Avtec SIP Proxy for console intercoms now requires the user to create a UDP transport as well as a TCP transport. Find updated instructions in the Avtec SIP Proxy Online Help, "Configuring a Transport for Console Intercoms" topic.
DE12256	Scout	4.1.14	Scout now properly tears down the transmit/receive sessions when an error is received during the formation of a Group Page or Group Ring call.
DE12558	Scout	4.1.14	The correct ANI information for returning radio unit calls when using the return call button functionality with Dynamic Group Pads is now available in Scout.
DE12531	VPGate	4.1.13	VPGate now sends PTT rejection notifications upon PTT timeout of MAP27 endpoints.
DE12395	VPGate	4.1.12	VPGate Alias driver no longer consumes CPU time and remains at 99 percent. Excessive endpoints and aliases no longer consume all of the CPU time.
DE12405	VPGate	4.1.12	VPGate now displays ANI information for Phase II P25 endpoints.

Issue	Product	Release	Description
DE12370	DMS/Scout	4.1.11	Fixed compatibility issue between DMS and Scout Console. NOTE You must upgrade both DMS and Scout Console to receive the fix for this defect.
DE12068	DMS	4.1.10	Updated the documentation for creating a local application pool account to include creating permissions for the DMS folder and for MSMQ. Find the updates in the "Avtec's Local Application Pool Account" section of the <i>Scout Suite Administration Guide</i> .
DE12190	DMS/Scout	4.1.10	All deployment related files are now properly flushed to disk during deployment. NOTE You must upgrade both DMS and Scout Console to receive the fix for this defect.
DE12343	Frontier	4.1.10	Frontier now checks the validity of a peer's interest in endpoints before removing it from the Local Discoveries (By Peer) list.
DE12178	VPGate	4.1.9	Updated the P25 CSSI driver to allow consistent registering of CSSI/Privileged Mode endpoints.
DE11687	VPGate	4.1.8	Avtec Routing Controller now always uses the latest protocol version when registering endpoints in a Linked Capacity Plus system.
DE12143	VPGate	4.1.8	Manufacturer ID is now set to 90 (HEX) for all radio types for successful receipt of audio when requesting a channel grant for a supergroup.
DE12159	VPGate	4.1.8	Updated the P25 CSSI driver's Transmission Delay range and default value to prevent invalid entries when in Privileged Mode.
DE11601	Encryption Key Manager	4.1.7	Fixed an issue with syncing keys from the KMF server caused by an incorrect reload of keys in the middle of receiving new keys from the KMF server.
DE12004/ DE120005	Frontier	4.1.7	Created documentation to detail steps for updating 3.x to 4.x Frontier when the 3.x Scout system is connecting one or more sites to CPS over Frontier. Find the new topic, "Upgrading Frontier 3.x to 4.x With a Remote CPS," in the <i>Scout Suite Getting Started Guide</i> , "Special Configuration Considerations" section.
DE12007	VPGate	4.1.7	Added several new and modified logging entries and enhanced checking for assigned relay results to fix an Outpost Aux IO endpoint issue when failing over from one VPGate to another.
DE12008	DMS	4.1.7	Seven second ping timeout value implemented to prevent delayed startup time.

Issue	Product	Release	Description
DE12009	Scout	4.1.7	Added code to fix an exception caused by moving a nearby console from one site to another.
DE12013	Scout	4.1.7	During installation, Scout now grants the appropriate permissions for non-admin users of Windows to run Scout Manager and Scout Console. Instructions for manually adding these permissions has been added to the <i>Scout Suite Getting Started Guide</i> .
DE12032	Scout	4.1.7	Fixed an issue internal to the console which was causing the console to become out of sync with the media mixer making the console falsely think that it was already a participant in a conference.
DE12053	DMS	4.1.7	Updated documentation code to provide context sensitive help links to two SCD webpages: Identity Providers and Executive Summary.
DE12067	Scout	4.1.7	Updated the introduction in the "Install the Scout Console and Scout Manager" section of the <i>Scout Suite Getting Started Guide</i> to simplify information regarding domain/workgroup installations.
DE12088	Scout	4.1.7	French translation for Channel Marker now contains the proper default value. If upgrading, migrating, or importing from a version previous to 4.1.7, you can correctly set the default value by right-clicking the property and selecting Set to Default in Pad Settings .
DE12117	Outpost	4.1.7	Resolved a communication issue with the Scout console which caused the console to not send an unkey command to the Outpost when the operator had unkeyed.
DE11733	DMS	4.1	Corrected the context sensitive help that displays when a user attempts to assign an invalid character in the DMS password.
DE11855	Outpost	4.1	Fixed an attenuation calculation issue within the Outpost which caused the Channel Marker side tone to be inaudible to the dispatcher.
DE10865	Scout	4.1	The business layer service no longer restarts when attempting to send mixed pages from Auto Contact pads that are in Parallel Paging Mode.
DE11321	Scout	4.1	Added website security certificate documentation to the <i>Scout Suite Getting Started Guide</i> , "Website Security Certificate" and Scout Manger Online Help, "Browser Control Overview."
DE11389	Scout	4.1	The desktop microphone is now available and a dispatcher message no longer displays when the dispatcher performs an initial PTT when push-to-talk is enabled on a Software Media Workstation with only a desktop microphone attached.
DE11016	VPGate	4.1	The ANI field is now emptied after each talk spurt.

Known Issues

Issue	Product	Release	Description and Recommended Workaround
DE11174	Scout	4.0	The dots per inch (DPI) must be set to the default setting of 100% to ensure screens and messages display as intended on the console.
DE11333	Scout	4.0	Reports that exceed ten pages can take thirty minutes or more to display.
DE12045	Scout	4.1	<p>If installation fails with no errors/warnings, delete the temporary files created during the installation.</p> <p>Each component installation creates temporary files that the installation process does not remove when it completes. After completing all upgrade procedures, Avtec recommends deleting the temporary files to free disk space and improve performance. These files are located in your system's Temp directory, i.e. C:\Users\Administrator\AppData\Local\Temp, where Administrator is the user performing the installation.</p>

Education and Training

Administration, Maintenance, and Operator training is normally provided during system installation and customer acceptance. If additional training is required, please contact your Avtec sales representative. For additional information on training, access the Avtec, Inc. website and click **Services and Support**.

Phone	803-358-3600, extension 1202
FAX	803-310-7045, extension 1202
Email	Sales@avtecinc.com

Customer Support

Avtec has a policy of maintaining the best customer support in the industry. Avtec provides a variety of support plans to meet your needs, including ScoutCare™. Please contact your Avtec sales representative for further details.

Phone	North American Customers: 800-545-3034 Outside of North America: 803-358-3600, extension 1201
Hours	8:00 am – 7:00 pm Eastern Standard Time
Emergency Support	Available 24 × 7, 365 days a year (same phone numbers as above)

Email

CustomerSupport@avtecinc.com

NOTE: Avtec does not recommend email for emergency support situations.

Scout System Documentation

For more detailed information about Scout, refer to the following documentation:

Scout Manager Online Help

Frontier Online Help

Dispatcher Online Help

VPGate Online Help

Call Voter Online Help

Avtec SIP Proxy Online Help

Avtec Routing Controller Online Help

Outpost User Guide

Scout Suite Getting Started Guide

Outpost Quick Start Guide

Scout Console Media Workstation Quick Start Guide

Scout Media Workstation Plus Quick Start Guide

Scout Media Workstation Plus Quick Connect Reference

Scout Suite Administration Guide

Scout Console Media Workstation Quick Connect Reference

Automated Software Deployment Guide



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