



*What's New...*

# Scout Version 5.0

Data protection is essential, especially for dispatchers and maintainers who face critical situations every day. With cyber attacks such as ransomware on the rise, data protection is even more urgent.

Scout Version 5.0 builds upon the already industry-leading security features of Scout's Software Suite. Version 5.0 utilizes Chromium Edge to strengthen browser security and adheres to STIG and NERC-CIP requirements. Avtec utilizes an internal risk management framework based on the NIST 800-53 standard. Digital code signing, enhanced security review processes, and the latest software updates strengthen Scout security and add multiple layers of protection.

## Enhanced Security

### ***NIST 800-53 Alignment***

Avtec's Scout Software Suite aligns with the National Institute of Standards and Technology (NIST) guidelines to provide a workflow that evaluates and addresses any operational risks. This ensures that before Scout software is released, it includes enhanced security protections against cyber attacks.



## ***Security Release Review Process Enhancements***

Scout's Software Suite follows an enhanced security review process that includes the following protections:

- Nessus scans to identify vulnerabilities
- Apply latest Windows patches
- Apply and verify STIGs
- Quality reviews to ensure security enhancements integrate with Scout
- Document Scout security enhancements
- Perform third-party security audits annually

## ***Scout Maintains STIG Compliance Each Release***

Followed by the Department of Defense, Security Technical Implementation Guides (STIGs) strengthen cyber security. Avtec's Windows Operating System configuration guides include all STIG settings. Scout's Software Suite maintains the most current STIG security enhancements in the following areas:

- STIG for Windows Firewall
- STIG for Microsoft .NET Framework
- STIG for Windows Defender
- STIG for Windows 10
- STIG for Windows Server 2016
- STIG for Windows Server 2019

## ***NERC-CIP Support***

Avtec's Scout Software Suite adds compatibility with the North American Electric Reliability Corporation's (NERC) Critical Infrastructure Protection (CIP) standards, which are designed to secure assets required for operating North America's bulk electric system. Avtec maintains a mapping of how NERC-CIP controls interface with Scout's Software Suite. This ensures the protection of critical cyber assets when using Scout.

## ***Scout Implements Code Signing Certificate***

All Scout installers, executables, and DLLs are digitally signed by Avtec using a code signing certificate. Providing digitally signed files provides assurance the files are from an authentic source and not modified in transit, further ensuring security of Scout's Software Suite.

## ***Sentinel Run Time Environment Update***

Sentinel Run Time Environment has been updated to Version 8.21 for Audio Bridge, Avtec Routing Controller, Avtec SIP Proxy, Call Voter, DMS, Scout, ScoutLink, and VPGate in order to provide additional security enhancements.

## **Critical Communications Support**

### ***P25 Conventional Wireless Interface with Outpost & APX™ Consolette***

The following features are supported in this interface: Group Calls, Emergency Calls, PTT ID/ANI/Alias, Encryption, and Channel/Frequency Change. Scout interfaces to the APX™ Consolette using the Avtec Outpost and a control station kit with license.

### ***P25 Trunking Wireless Interface with Outpost & APX™ Consolette***

The following features are supported in this interface: Group Calls, Emergency Calls, PTT ID/ANI/Alias, Encryption, and Channel/Frequency Change. Scout interfaces to the APX™ Consolette using the Avtec Outpost and a control station kit with license.

## **Essential Compatibility Testing**

During the development time frame, Scout was qualified with the following:

- Motorola MOTOTRBO™ XPR 2021.02 firmware (compatible with Scout 4.15)
- APX Mobile via Outpost with Motorola APX™ Control Station SR2021.03 firmware (compatible with Scout 4.15)

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