



Visibility Server Software

VSS (Visibility Server Software) — developed by Zebra Locations Solutions — is an integrated software package that provides all of the tools required to design, configure, operate, provision and troubleshoot an Auto Identification system that includes Active and Passive RFID hardware through a central middleware stack.

VSS provides all core software components allowing efficient resource management with extensive capabilities. Key among the software components is a location engine that detects and computes the locations of RTLS ISO/IEC 24730 and IEEE 802.15.4f tags (WhereNet and Dart) and makes this information available to third-party and Zebra business applications using the VSS API.

The location engine can also receive and process reads from fixed read points such as Passive RFID readers and impart the location and zone of the reader to the asset being read for portal visibility.

With VSS, you can identify, locate and track assets, know their status, and react to user-configurable alert conditions. VSS also supports WhereNet WhereCall tags, which enables wireless messaging within your operations. The VSS capabilities allow you to wirelessly request parts replenishment, eliminate manual searches, manage parts through WIP operations, and much more.

VSS is designed to help streamline your operations while consolidating your auto-identification technologies into one central platform. In addition to supporting ISO/IEC 24730, VSS includes connectors that interface with Cisco's Mobility Service Engine (MSE) Interfacing VSS with the MSE allows more effective tracking and management of Wi-Fi devices and tagged assets within a CCX infrastructure.

Moreover, VSS provides the tools required to control and monitor the Real Time Location System, as well as your passive reader infrastructure including configuration tools, diagnostics, system alerts, health monitors, and installation tools.

The Alert System allows users to define their own alerts and configure email notifications. SNMP MIB extensions are also included so that the RTLS system can be managed as part of the enterprise standard IT infrastructure.

For integration into existing systems, a robust full API is available. Location based events can also be subscribe to with industry standard XML.

The primary VSS User Interface is a tool known as the Resource Manager which is now available in a web-only version to simplify maintenance on remote machines or a rich client version that can be installed on a user's PC.

VSS also supports multi language support for western languages

Some of the technologies that can be centrally routed and reported on through VSS include:

- Zebra WhereNet Real Time Locating System (RTLS)
- Zebra WhereNet Push-Button messaging
- Zebra DART Ultra Wideband
- EPC Gen2 compliant passive RFID

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Benefits

- Consolidate multiple Auto ID technologies through one middleware stack
- Single consolidated view for multiple technologies
- Automate entry/exit points
- Reduce search time
- Enable wireless messaging
- Provide time and location data for your assets
- Provide alerts for exceptions to business rules
- Integrate with Execution Management or Warehouse Management Systems

