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ImVision® introduces Power Over Ethernet (PoE) features

New capabilities support standards-based approach

The ability to connect, power and manage end devices via a single copper cable can be very beneficial to Enterprise LAN as it eliminates the need for overlay power and management networks.

With the introduction of System Manager v7.4, the imVision Automated Infrastructure Management (AIM) system extends its capabilities of end-to-end physical layer management by introducing POE management capabilities.

This new functionality becomes increasingly important as the number and types of POE enabled devices in the enterprise continues to increase. Several factors are driving this including:

- Next generation PoE standards (IEEE P802.3bt), delivering more than 90W to end devices
- Convergence of IT and facilities onto a common IP/Ethernet platform
- The Internet of Things, with its potential to bring 50B connected devices on line by 2020
- Ethernet Alliance PoE Certification program

With this new functionality, imVision will be able to provide unique standards based management of cable bundle sizes, which has become increasingly important as higher power PoE standards have been developed.

Cabling standards in TIA, ISO/IEC and CENELEC have been developed to establish recommended bundle sizes based on environment and cable categories. imVision addresses the need to document cable bundle sizes as well as the power levels on each cable in the bundle. By correlating the real-time switch power usage per port with cable bundle size and cable type, imVision automates the recordkeeping and ensures that standards-compliant designs are documented.

The features provided in this new release include:

- PoE utilization per switch/port (PSE)
- Ability to include PoE type for service provisioning
- Tracking location and PoE Class of PoE capable devices (PD)
- Locating outlets that are connected to PoE capable switch ports
- Documentation of cable bundles
- Number of cables per bundle
- Number of cables in a bundle that are powered
- Power levels for cables in a bundle

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