EAM Asset Configuration Management

Never miss a configuration update on a safety-critical component.

Whether you're running a rail or bus system, effective asset configuration management (ACM) is an essential part of your maintenance safety strategy. ACM ensures all your critical infrastructure are continuously updated to the approved configuration and version, helping you deliver the safe and reliable transit service your riders expect.

Whether it's tracking the on-board positive train control equipment on your railcars, or software/firmware updates on your signals, Trapeze's Asset Configuration Management ensures that your engineering and maintenance departments stay in sync as you complete manufacturer-recommended campaigns. As an add-on module of Trapeze Enterprise Asset Management, ACM gives supervisors and technicians visibility into the configuration status of assets they are working on. With icons that clearly show asset status at a glance, built-in version control, automated compliance checks, and alerts, Trapeze ACM makes it easy to maintain configuration consistency across the thousands of assets you are responsible for.

Overview

Easily View Configuration Status

- Color-coded icons clearly show configuration status of each asset and component, immediately alerting you to service-critical issues
- Displays asset compliance information according to your assets' component hierarchy tree; drills down to view child asset compliance detail and errors

Define Configuration Models

- Defines models for how complex assets should be set up – required components, serialized parts, positional information, error severity level, and flexible attributes
- Supports workflows to migrate draft models to candidate and active statuses
- Supports full version control; tracks changes to models while retaining version history "snapshots" in database

Run Automatic Compliance Checks

- Audit checks proactively communicate which assets are in or out of compliance, including all the configuration elements for each asset (e.g., Signal firmware version mismatch; missing serialized component: SPEED SENSOR - SS0637)
- Sends real-time messages on compliance errors to maintenance staff working on an asset
- Records historical snapshots of each asset's compliance level (verified, warning, or out of compliance)

Generate Campaigns

- Summarizes compliance audit results in a dashboard for Engineering's review and action
- Generates maintenance campaigns (e.g. creates work order) to get equipment back into compliance

Agency Benefits

Maximize Asset Safety and Reliability

Configuration management helps you prevent costly service failures by tracking and updating engineering change controls. Our solution acts as a one-stop shop for configuration compliance. It alerts users to service-critical errors, enables seamless version control, and triggers maintenance follow-up actions to keep your safety-critical assets in good working order.

Get Ahead of PTC Compliance

Ensure that your Positive Train Control (PTC) configuration changes (hardware, software, and firmware) are properly documented. Keep track of thousands of PTC components along the right of way to fully comply with FRA regulations.

Optimize Maintenance Operations

Improve maintenance workflows by giving your technicians real-time feedback on an asset's configuration status, so they can address compliance issues in a timely manner. ACM streamlines maintenance processes by triggering internal work campaigns to quickly resolve configuration issues. Versioning also prevents unnecessary installations and repeat tasks, improving productivity.

Improve Decision-Making with Better Data

Maintaining configuration consistency over your assets' lifecycle keeps your data cleaner. Improved, real-time visibility on equipment compliance issues means you will have the right data, at the right time, to make better decisions that positively impacts operational performance.

Passenger Benefits

Safer Passenger Journeys

- Keeping assets updated to the approved configuration maximizes passenger safety
- Identification and resolution of assets with service-critical errors allows your engineers to greatly improve asset reliability
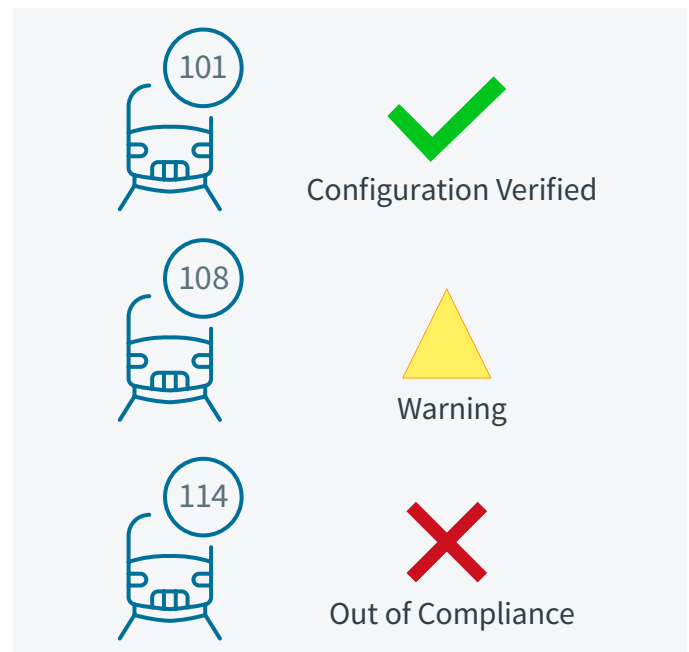
Fewer Delays and Breakdowns

- Giving maintainers visibility into asset configurations that need immediate attention means assets can be taken out of service before failure

Increased Customer Trust

- Improved maintenance regimes help you to be on time and keep passengers safe, rebuilding customer confidence in public transportation

Configuration Levels

101	✓ Configuration Verified
108	⚠ Warning
114	✗ Out of Compliance

Connect with our Experts

Trapeze™