



TransitMaster Real-Time

Harness the power of a modern CAD/AVL solution without the hardware costs.



Delivering the seamless service your passengers expect means increasingly being able to generate real-time predictions as well as change service on the fly when disruptions occur. But tight budgets and prohibitive hardware costs may make upgrading your CAD/AVL capabilities infeasible.

TransitMaster Real-Time offers a cost-effective solution to provide you with up-to-the-second situational awareness of vehicles on the street and advanced tools that make service changes easy and simple, without the expense of in-vehicle hardware. It ingests vehicle locations from a modem to track vehicles in service and utilizes the GTFS-Real-time standard to send real-time vehicle status and positioning data to downstream systems, providing passengers with accurate arrival predictions, vehicle locations, and service alerts.

Overview



Manage Service Disruptions in Real-time

- Creates and manages service adjustments in one place
- Quickly defines detour paths; automatically detects impacted routes and stops
- Enables your Marketing team to create and approve pre-determined text using Service Notice Templates



Improve Operational Transparency

- Enables proactive fleet management; provides dispatch with single Route Monitor view of route performance, including vehicle spacing and vehicle context information
- Shows real-time location of vehicles on the map; provides contextual information such as real-time traffic feed, satellite and street views
- Filters map views based on multiple criteria to get specific information (e.g., late vehicles on Route 7)
- Improves incident investigation with simplified Playback tool to look into vehicle travel history



Inform and Notify in Real-time

- Provides customer-facing applications with real-time information using the GTFS-RT standard
- Gives passengers real-time vehicle arrival predictions, location, and service alerts
- Informs riders immediately of service changes; provides information on alternate stops, service adjustments, and detour paths



Enable Real-Time Predictions Through Trapeze/Third-Party Integration

- Integrates with FX fixed route scheduling solution or alternative third parties for schedule data
- Integrates with Transit Workforce Management (TWM) or alternative third parties for data on daily assignments and changes throughout the day, enabling TransitMaster RT to associate a vehicle to a piece of work
- Integrates with downstream passenger information applications through GTFS-Real-time feed

Agency Benefits



Low Cost of Implementation

Integrate powerful Intelligent Transportation Systems (ITS) functionality into your CAD/AVL system, with no additional hardware required. Get advanced real-time data and route tracking capabilities without additional spending for on-board equipment and installation.



Real-time Passenger Updates

Leverage AVL data and GTFS-Real-time integration to provide passengers with accurate, real-time vehicle arrival predictions. TransitMaster RT makes it easy to generate service alerts based on the adjustments you've created, keeping your ridership informed of impacts to their travel.



Enhanced Dispatch Operations

Improve on-time performance with greater visibility into route performance, enabling proactive fleet management. Get real-time vehicle insight to manipulate service on the fly, shorten service interruptions and relay service changes to your riders and internal stakeholders as soon as these are finalized.

Passenger Benefits



Safer Passenger Journeys

- Improves response time and accuracy during emergencies with GPS location, real-time disruption management, and automatic notification to passengers through GTFS-RT
- Facilitates incident management by reviewing all known data for a specific period for a vehicle, improving passenger safety



Enhanced Rider Experience

- Optimizes service levels for a consistent and reliable experience by giving dispatchers enhanced operational tools
- Provides passengers with the real-time information they need to plan their journeys, even when disruptions change scheduled service



Increased Passenger Trust

- Reduces uncertainty for passengers by immediately relaying service changes/detour information



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