GTFS-RT
(General Transit Feed Specification – Real-Time)

Keep your passengers fully informed on their journey.

It's simple what passengers want - real-time information to make their journey safe, convenient, and comfortable. The General Transit Feed Specification (GTFS) is a universal transit protocol, first developed by Google, that provides a list of transit stops and vehicle arrival times to downstream systems. GTFS-RT, meanwhile, is an enhanced Google feed specification that allows agencies to provide real-time trip updates to customer-facing applications.

Vontas OnRoute's integrated tool set offers a fast, easy, and affordable way to harness the power of GTFS – and open data - to communicate schedule and real-time data to your passengers, so they know exactly when their next ride is arriving. GTFS also helps your agency grow, driving innovation that puts powerful tools into your passengers' hands, to make their journeys even better.

Overview

Publish Fixed Route Schedules

- Static component provides schedule, fare, and geographic information
- Uses scheduling data, such as Trapeze FX, as data source to populate the GTFS schedule data files
- Provides common, open data format for public transportation schedules (e.g., signup, routes, stops, trip service - weekday, weekend, holiday)

Improve Passenger Mobility with New Apps

- Allows third-party developers to create applications that utilize the exported data
- Facilitates innovation, enabling transit agencies to provide real-time updates about their fleet to application developers

Inform and Notify Your Passengers in Real-time

- Provides trip updates, including delays, cancellations, and changed routes
- Informs passengers of service changes - stop moved, unforeseen events affecting a station, route, or entire network
- Shows vehicle positions – information about the vehicle, including location and congestion level
- Integrates with Trapeze Traveler Experience for easy trip planning

Agency Benefits

Improved Transit Data Management

GTFS-RT is simple to create and read for both people and machines so you can get important information to your riders easily. Vontas OnRoute's real-time data and disruption management capabilities mean that agencies can take advantage of a simple and effective way to provide your riders accurate, real-time information.

Greater Transparency for Mobile Innovations

GTFS feeds are more transparent, and allow companies like Trapeze to develop innovative mobile applications that support transit agencies and their riders.

Increased Interoperability

GTFS revolutionized public transit by standardizing data exchange. By being part of the GTFS standard, you publish your route data so the information is part of a global set of search products that millions of people access everyday. This builds interoperability across communities and paves the way for closer regional integration.

Passenger Benefits

Fully Informed Riders

- Helps passengers make informed decisions about their journey, making trip planning accurate, fast, and easy
- Enables riders to track live locations of their buses and trains, reducing perceived wait times and trip uncertainty

Increased Trust

- Helps rebuild ridership by communicating real-time vehicle capacity to keep passengers safe and socially distanced on transit

Heightened Customer Experience

- Mobile app innovations using GTFS-RT widen transit options for the public, helping get your Mobility-as-a-Service platform off the ground to enhance riders' personalized mobility

Connect with our Experts

Vontas