The LogisticsFramework® (TLF)

HOS ELD Compliance, Logistics, Dispatch & eTicketing Hardware, Mobile App & Platform

TLF is a robust, cloud-based, end-to-end logistics system for dispatch, HOS ELD compliance, geo-tracking, e-ticketing, reporting, driver payroll, rating and invoicing—all in one system.

The Qv21 industry-leading, SaaS TLF platform provides HOS ELD e-logging, GPS location tracking and geofencing, data and reporting tools that center around a customizable dashboard to monitor operations and schedule jobs, while tracking orders, drivers and fleet.

Drivers use smart phones or tablets to access the TLF Driver app in the field to report Hours of Service (HOS) and inspection data, accept loads, acknowledge special instructions, transmit load weights or values, and electronically sign off when shifts and jobs are complete.

TLF gives your operations, including dispatch and accounting, real-time visibility into fleet operations, performance and GPS tracking—all for the price of what others charge for GPS alone. Qv21's HOS ELD compliance tools are fully integrated into the TLF platform so drivers don't need two apps in the cab to log hours and input ticket data.

- Qv21's HOS ELD & GPS Tracking Device is FMCSA certified and Canadian DOT HOS compliant. Refer to the list of FMSCA-required feature checklist and specifications on back.

- Drivers log hours and change status with an Android device that interfaces with the HOS ELD device, installed into the vehicle CAN Bus and mounted on the vehicle dashboard.

Note: Android OS Version 4.4.2 or greater is required to interface with the Qv21 ELD device.

The LogisticsFramework® Components

1 HOS ELD & GPS tracking device

- Plugs into a truck's diagnostic port and mounted in-cab; installation takes less than an hour per truck.

- Automatically and autonomously records all FMSCA mandated ELD data, diagnostics, malfunctions, unidentified driver hours and much more.

- Data is automatically transferred to The LogisticsFramework platform when the driver's device is in-network.

- A micro SD card stores device data.

- No CapEx required, only monthly subscription.

2 TLF Driver Module

- Driver gets a countdown of available drive time, receives alerts and messages from dispatch, inputs inspection data and can sign logs and tickets electronically through the The LogisticsFramework app.

3 TLF Platform

- Dashboard view of fleet allows dispatch, operations and accounting to view, manage and pull data for reports. HOS ELD reporting is fully integrated into The LogisticsFramework.

Interested in Logistics Without Barriers?

Call us at (855) 853-7821 or email info@Qv21.com to schedule a business consultation today.

FMCSA Required ELD Feature or Function

✓ Provides separate accounts for drivers and administrative (non-driver) ELD users

✓ Has "integral synchronization" with the engine control module to automatically record engine power status, vehicle motion status, and other data

✓ Automatically records all driving time and at intervals of 60 minutes. Records date, time, location, engine hours, vehicle miles, and driver identification

✓ Records location with an accuracy of one-mile radius during on-duty driving periods

✓ Reduces location accuracy to a 10-mile radius when vehicle is used for authorized personal use

✓ ELD time is synchronized with UTC (coordinated universal time)

✓ Retains data for the current 24-hour period and the previous 7 consecutive days

✓ Prevents tampering; does not allow anyone to alter or erase information originally collected for driver ELD records

✓ Requires driver to review unidentified driver records – and either acknowledge assignment of this driving time, or indicate that the records do not belong to the river

✓ Allows a driver to obtain a copy of his/her ELD records on demand – either through a printout or electronic file

✓ Supports one of two options for electronic data transfer:
• Telematic type: using wireless web services or email
• Local transfer type: using USB2.0 or Bluetooth

✓ Displays all required standardized data to authorized safety officials on demand – through a screen display or printout that includes three elements: a daily header, graph grid showing driving duty status changes, and detailed daily log data. The graph grid, if printed, must be at least 6 inches by 1.5 inches

✓ Requires driver certification and annotation (written explanation) for any edits to records that are made by the driver or any other ELD user

✓ Requires certification of driver records at the end of each 24-hour period

General Specifications

Dimensions	3.5" x 4.5" / 8.89cm x 10.16cm
Weight	8.8 oz / 0.25kg
Power Supply	3-39V (no separate supply required)
Power Consumption	1 Watt

Mechanical Specifications

Device Connector	9-Pin DSUB
Vehicle Connector 9	9-Pin Deutsch Y
Mount	Position on Dash

Interface Specifications

Platform	Fully integrated into Qv21's TLF platform
Driver OS Module	Android device (OS Version 4.4.2 or greater is required)
GPS Receiver	72-channel GPS L1 C/A, GLONASS L1OF
Bluetooth	Integrated
Visual	4 three-color LEDs
Accelerometer	3-Axis (2/4/8g selectable)
CAN Bus	J1939
CAN Baud Rates	Up to 500kbps

GPS Specifications

Position Accuracy	Standalone: 2.5 m CEP TRK: 0.025 m + 1 ppm CEP
Antenna	Internal

Bluetooth Specifications

Bluetooth	Integrated
Visual	4 three-color LEDs
Accelerometer	3-Axis (2/4/8g selectable)
CAN Bus	J1939
CAN Baud Rates	Up to 500kbps

Environmental Specifications

Operating Temperature	-4°F ~ +185°F / -20° ~ +85°C
EMC	ISO 16750-2, ISO 7637-2
Automotive	ISO 61280, ISO 50925