

OmniTRACS® Mobile Communications Solution



QUALCOMM GOVERNMENT TECHNOLOGIES OMNITRACS® MOBILE COMMUNICATIONS SOLUTION

The OmniTRACS® solution is a commercially based satellite system that uses a near-real time two-way satellite based mobile interactive information management system providing data communications and vehicle position tracking & reporting. A proven Commercial Off-the-Shelf (COTS) System with surge protection capacity, the system is available and operational today with NO development cost to the government and continual internally funded upgrades and enhancements.

QUALCOMM Government Technologies offers a suite of solutions.

- > OmniTRACS®
- > OmniExpress®
- > QTRACS®
- > QTRACS/Web®
- > GlobalTRACS®
- > SensorTRACS®
- > T2 Untethered TrailerTRACS®
- > Tethered TrailerTRACS®



QUALCOMM Government Technologies OmniTRACS® Mobile Communications Solution



OmniTRACS® Mobile Communications Solution

The OmniTRACS solution provides a near-real time wireless two-way satellite based mobile interactive information management system providing data communications and vehicle position tracking & reporting with; Proven Commercial Off-the-Shelf (COTS) System since late 1980s, Available and Operational today with NO development cost to Government, Continually being upgraded and enhanced to meet commercial and Government market primarily using QUALCOMM funding, Capable of meeting Military, Government Agency and Commercial production requirements today without surge.

QUALCOMM's Attributes are; JDLM, LOGCOP, Global Transportation Network (GTN) and Automatic Identification Technology (AIT) interoperability, Demonstrated Logistics Maintenance Support, Proven GCCS Ground COP Interface including Blue Force Tracking and Situational Awareness, GPS vehicle positioning—Military and Commercial, Reasonable proven and documented anti-jam, LPI/LPD, and security benefits.



OmniExpress® Mobile Communications Solution

The OmniExpress® solution supports continuous, two-way communication using a digital wireless network using QUALCOMM's advanced Code Division Multiple Access (CDMA) technology and GPS-powered vehicle positioning. By interfacing with the QTRACS® fleet management solution, TrailerTRACS® asset management solution and SensorTRACS® performance monitoring solution, accessing, sharing and integrating your critical operations information will never be easier or more efficient.



QTRACS® Fleet Management Solution

The QTRACS solution provides dynamic fleet and driver management through two-way driver messaging, street-level vehicle tracking, and mapping. With rapid access to current and historical tractor/trailer location and status, you will be enabled to project more accurate ETAs and which can translate to increased load opportunities for your business and improved customer satisfaction for your customers.

The QTRACS solution can also forward data to third parties, such as key shippers and consignees, providing them with continuous status and position information. The QTRACS solution automates your dispatch linking data transmitted through QUALCOMM systems to your host computer, eliminating duplicate entries to a dedicated terminal.





**For a nation that relies on secure communications,
QUALCOMM provides solutions for today and tomorrow**



QTRACS/Web

The Web version of the QTRACS solution combines the simplicity, convenience and familiarity of your Internet browser without the hassle of software installations or upgrades.

The QTRACS/Web Internet-based load tracking service provides customers with direct access to accurate, in-transit rapid-status load and location information. Viewed on the Web or provided automatically in a formatted data file for integration into back-office systems.



GlobalTRACS® Equipment Management Solution

The GlobalTRACS solution collects, transmits, and manages equipment data on-demand or at user-defined intervals. As one of the world's largest mobile data solutions providers, QUALCOMM processes more than 9 million messages a day at our San Diego-based Network Operations Center (NOC)—with guaranteed message delivery. Our full suite of equipment management solutions also includes automatic GPS positioning, and automatic engine hours reporting, and street-level location mapping, virtual security fence configuration and critical machine health monitoring.

A key benefit of the GlobalTRACS solution is the ability to integrate the data from your equipment fleet to your back office system. This automation reduces manual entry errors and allows you to gain timely insight into your operation.

The GlobalTRACS solution's durable mobile hardware withstands the harshest working environments and with tri-band communications, you're getting the best available coverage today and built-in forward compatibility with the growing digital networks of the future.



SensorTRACS® Performance Monitoring Solution

The SensorTRACS solution provides the information you need to increase fuel savings, reduce engine wear and improve driver performance. The SensorTRACS solution interfaces directly with a vehicle's sensor inputs or the onboard data bus to provide individual driver performance reports, automatic data downloads and extended idle time identification. In addition, the SensorTRACS solution can generate management summary reports that include maintenance items and speed/RPM ratios.

The information is delivered to dispatch at customer-defined intervals or on demand via QUALCOMM's mobile communications solutions—without any driver intervention. The data is also displayed for drivers, so they can modify driving habits immediately and meet company-set parameters.



T2™ Untethered TrailerTRACS® Asset Management Solution

Increase the security of your tethered and untethered trailers.

The T2 Untethered TrailerTRACS solution automatically reports the location and status—whether unloaded or loaded, tethered or untethered—of your trailers. This can assist fleet managers in the transportation and logistics industry to boost their workforce productivity and improve trailer utilization and freight security.

To help enhance the security of their high-value and high-risk cargo, the T2 Untethered TrailerTRACS solution automatically issues alerts when trailers move inside or outside user-defined boundaries—or geo-fences. Additionally, sensors can detect the opening and closing of trailer doors and the presence or absence of cargo, helping to minimize the risk of unauthorized access and trailer use.



Tethered TrailerTRACS® Asset Management Solution

QUALCOMM has been in the trailer-tracking business for a decade, with more than 35,000 installed tethered units. Our advanced, satellite-tethered solution offers rapid-status visibility into trailer location and operational events. The TrailerTRACS® solution provides position reports when connected to a QUALCOMM mobile communications solution, including a positive tractor/trailer ID with every connect and disconnect, continuous position reports and reefer operation.

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