

# Track Star Law Enforcement News



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Location & Communications Technology Innovation



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## Quick Notes...

AVL—Automatic Vehicle Location  
GPS—Global Positioning System

## Welcome!

Welcome to the first issue of the Track Star Law Enforcement News. This newsletter is intended to provide the law enforcement community with the latest information about the application of our products to the specific needs of the first responder.

In this newsletter you will find the latest information about new features and capabilities in our AVL software products, our integration activities and other important news.

I welcome any feedback that you might wish to share regarding this newsletter, our products or our company. We are excited by the warm reception that our software products have received in the Law Enforcement community and we look forward to serving the needs of the public safety community.

Michael Hughes—President

## Version 5

The release of the Track Star AVLS Version 5 software has been very well received. At the time of this writing Track Star software products are now installed in 11 law enforcement agencies of varying sizes. Evaluation of our products are underway at 4 additional agencies as well.

A number of agencies have already made the transition to our new AVLS Version 5 product which offers a host of new features to the users. Version 5.0 has been available for a few months now and Version 5.1 is being released on October 27.

The new features for Version 5.2, to be released in January, have already been defined and development of that release is presently underway.

For those not already familiar with the Track Star products, we automatically provide users with version updates that in-

clude all of the new features of each release as an integral part of our ongoing product improvement process.

The greatest majority of new features and capabilities come from user requests and suggestions, so we welcome user input to this process.

Our sales and dealer professionals are equipped to provide complete information on all of the features and capabilities of these products. Please don't hesitate to contact us for information!

### Key Features:

- Low operational cost—up to 50% lower than competitors
- Real Time speed notification
- Vehicle Status Indicators
- Officer Needs Assistance features
- Integrated support for a variety of AVL devices

## Verizon Wireless & Track Star—Partners in Public Safety

Track Star is pleased to be participating in a series of Public Safety seminars hosted by Verizon Wireless. Working with our integration partner, AirLink communications, these seminars are designed to provide public safety agencies with in depth information regarding the features and benefits to be derived from

implementation of AVL technology in vehicle fleets.

These seminars provide the public safety community with an opportunity to see the Track Star AVL software products and AirLink hardware products in operation and to more fully understand the capabilities of these products.

The most recent seminar was held in Canton, NY and future events are scheduled for November 15 in Plattsburg, NY and November 16 in Glens Falls, NY. This is a continuing series, so watch this newsletter for announcements about future seminar dates and locations.



*“...the knowledge of incident location can make all the difference in getting timely assistance on-scene in life threatening situations.”*

## Officer Needs Assistance Features

One important feature of the Track Star AVLS System is the ability of the system to be used to implement an “Officer Needs Assistance” function.

Many of the AVL modems and devices that are supported in the AVLS system provide digital inputs. These inputs can be triggered by many sensors in the vehicle including both wired and wireless Help buttons. In many departments and agencies such devices are used by officers to signal when help is needed.

Through the interface with the

Track Star AVLS software system, the activation of these devices is displayed on computer maps so that the precise location where help is required is immediately known.

Such implementations allow officers in the field to receive timely assistance precisely where it is required. In many cases, the knowledge of incident location can make all the difference in getting timely assistance on-scene in life threatening situations.

The Track Star AVLS allows users to customize the reaction

of the software to these distress signals so that icon changes, pop up notification windows and other mechanisms to attract the attention of system operators can be provided.

Track Star and our dealers can provide a range of recommendations for devices and system configurations to devise a truly effective “Officer Needs Assistance” function within your department or agency. Contact us today for more information on this important officer safety feature!

*“The Track Star AVLS system is a completely self contained and private AVL system, making it quite different from the web based systems presently available.”*

Public safety agencies interested in implementing an AVL system have a unique set of operational requirements when compared to commercial fleet operators.

The nature of the activities of these agencies require that AVL data relative to vehicle location, movement and patrol routes and times be safeguarded and restricted.

When considering the various types of AVL systems from which to choose, it is important to select one that provides data

privacy and security. It is important to note that the risk of compromise of this sensitive data is highest in AVL systems using web based interfaces where location data is transmitted to a system outside the control of the agency.

The Track Star AVLS system is a completely self contained and private AVL system, making it quite different from the web based systems presently available.

The Track Star AVLS system as deployed in Public Safety appli-

cations is completely contained within the confines of the agency using the system. Data developed relative to vehicle positions, movements and patrol routes and times is never handled outside the confines of the agency’s own network eliminating the risk of compromise.

The experience that Track Star has gained in the public safety sector gives us the understanding of the operational environment required to provide AVL systems that meet your requirements.

## Track Star Smart Antenna



*Track Star Smart Antenna*

Track Star is pleased to announce the availability of its new “Smart Antenna” product. This product has been developed to allow agencies that already have in-vehicle computers with wireless communications capabilities to add an AVL function to their fleets easily and inexpensively.

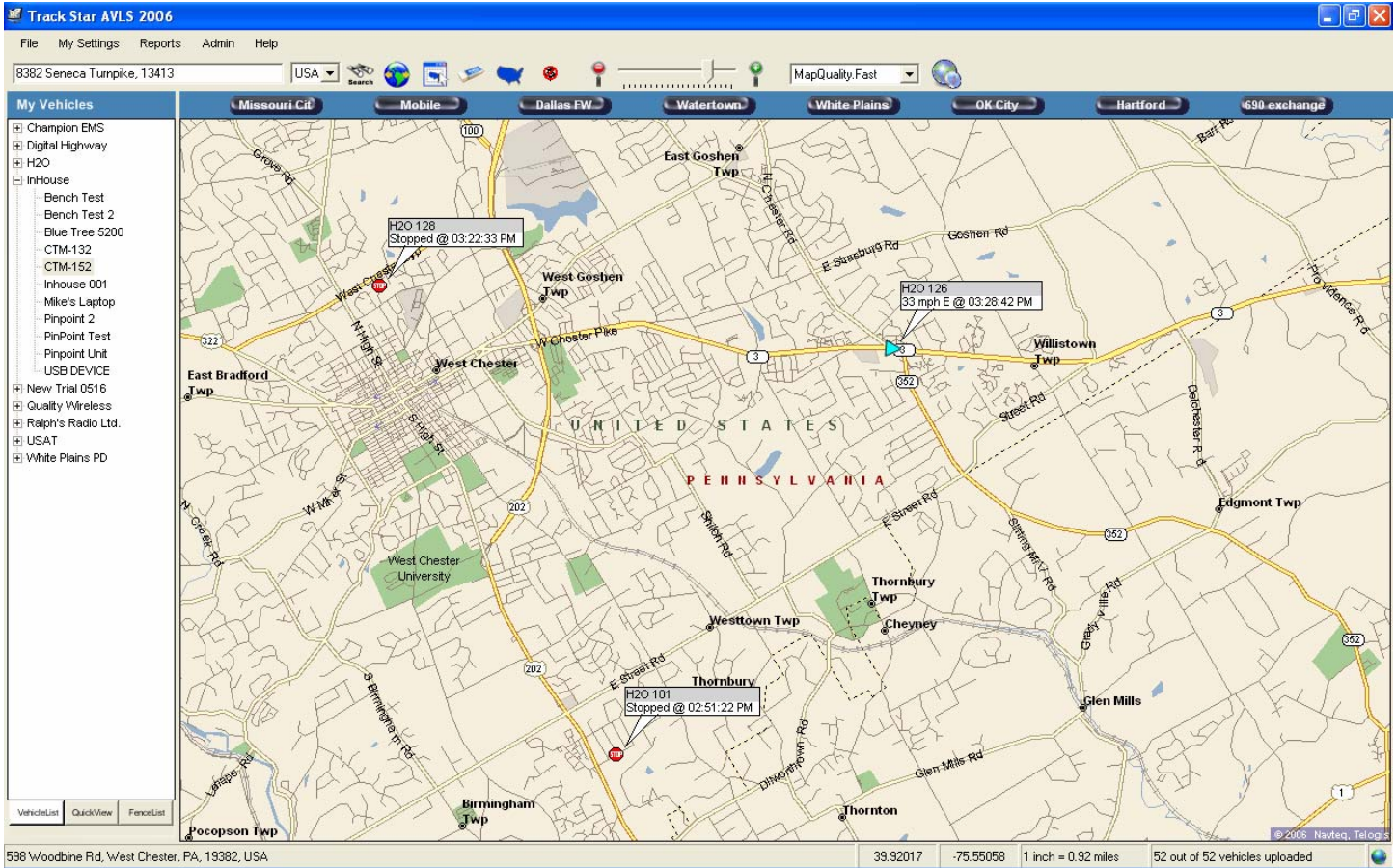
This new product is based on a software application that runs

as a service on the in-vehicle computer. The application works with a host of USB GPS receivers either supplied by Track Star or supplied independently. The application gathers GPS data and then transmits it to the Track Star AVLS system to provide AVL function to the fleet. Transmission is accomplished through the wireless connectivity pres-

ently provided to the in-vehicle computer (air card, wireless modem, etc.)

The end result is that fleets can now add GPS based AVL functions to vehicles with wireless enabled in-vehicle computers quite easily and without the expense of adding a GPS capable modem to the vehicle.

*Contact us for more information!*



Sample screen view of Track Star AVLS Version 5 Software Application

## Integration Partners

Track Star has selected a number of carefully chosen integration partners in order to offer the Public Safety market a versatile, affordable and capable AVL product.

In the area of in-vehicle devices, Track Star AVLS software products now provide integrated functional support for the AirLink Communications PinPoint GPS AVL modems, the Blue Tree Wireless 5000 series GPS AVL modems, the Cypress Solutions Chameleon 152 GPS AVL modems, the Track Star Orion GPS AVL device and the new Track Star Smart Antenna device.

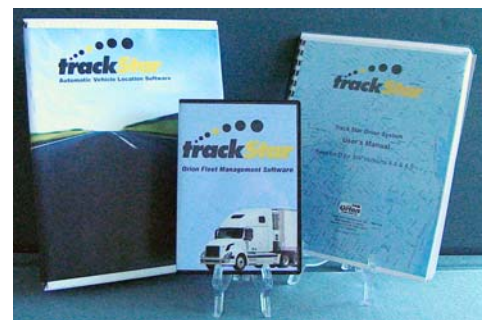
Work is presently underway to integrate products from Sierra Wireless into the application.

As a result of this integration, Track Star is uniquely positioned to serve as an AVL solution provider in existing fleets, mixed

fleets and fleets new to GPS based automatic vehicle location. The range of products that our software products support allows for an impressive range of system configuration options as well as complete communications carrier agnosticity.

In the area of map technologies, Track Star has integrated the NAVTEQ map data products into the AVLS software system. This feature rich data is updated on a quarterly basis providing users with clear, accurate and current data.

Track Star is a registered Microsoft® developer as well ensuring that the software solutions that we provide are developed in accordance with the requirements for the most commonly deployed server systems, databases, operating systems and computer networks.



## About Track Star

For many of you who are first meeting Track Star International, Inc. in the form of this newsletter, an introduction is in order.

Track Star was founded in 2000 as a manufacturer of AVL products and related software. The legacy of our product design reaches back to the infancy of commercial GPS utilization in 1994.

Track Star has found markets in diverse elements of transportation which include fleet management, security, safety and protective services. Since the inception of the company, our products have been sold in various countries in North America.

Our long experience in mapping, communication and GPS technologies have allowed us to develop solutions that meet the needs of our customer base. We also pride ourselves on adapting to emerging technologies and user input in impressively short time cycles.

We take great pride in understanding the needs of our users and in steering the evolution of our products as the needs of our users evolve.

Today, Track Star is not only a manufacturer but is also a pre-eminent integrator of a variety of AVL devices. The result of our efforts is an AVL system with the highest levels of functionality and flexibility that meets the needs of a growing base of customers in various industries

## Tire Stamp

Track Star is proud to announce that we have begun and integration relationship with Tire Stamp. Tire Stamp is a manufacturer of vehicle tire monitoring products that provide a number of important features in the area of tire management.

Tire Stamp technology provides a means of remote monitoring and reporting tire pressures, pressure changes and tire temperatures. Track Star and Tire Stamp are working together to integrate these reports and alerts into the Track Star AVLS Software products.

One very important aspect of this technology is that detection of improperly inflated tires or conditions that might increase tire temperatures can play a direct role in increasing officer safety. The technology provides a means to detect unsafe vehicle conditions preemptively so that accidents, particularly during high speed pursuits, can be prevented.

Besides the safety aspects of this technology, the Tire Stamp data contributes greatly towards reducing the operational costs for the fleet. Properly

inflated tires maximize the fuel economy of the vehicles in the fleet. Advance notification of the need for maintenance will reduce manpower costs associated with providing proper tire maintenance to your fleet. In addition, vehicle maintenance needs in the areas of brakes, bearings and driveline are detected are reported in advance of actual failure, reducing vehicle downtime and maintenance costs.

Future issues of this newsletter will provide more information about this integration work.

## Software Systems Integration—Dispatching Systems

As we have interacted with a growing list of public safety agencies, Track Star has begun the process of examining how best to interact with the wide variety of Computer Aided Dispatching systems that are in use in this industry segment.

While our software products provide a wealth of information about vehicle position, movement, stops and activity we are often asked about integrating with the CAD system for various purposes.

To achieve the most widely

usable interface with the diverse base of CAD systems currently in use, we have decided to provide an Application Program Interface or API in our products.

Using the API and accompanying technical documentation, it will be possible to implement interaction between the CAD system and the Track Star AVLS software products. Certainly, some users will prefer to implement interaction through access to the SQL databases that Track Star uses in the AVLS

system. For those customers, Track Star AVLS will continue to ship with a full database schema and data dictionary.

The timetable for implementation of the API calls for release in the second quarter of 2007, coincident with our regular product update release.

In the meantime, we will be glad to answer any questions in this area and we welcome any suggestions that you might have related to this new interface.

## National Sheriff's Association Annual Conference

Track Star is proud to have exhibited at the 2006 NSA Annual Conference in Orlando, FL this past summer. Our booth, which also featured support from our partners at AirLink Communications, was visited by a number of existing clients as well as by a number of people interested in our AVL product offerings.

This was our first NSA Annual

Conference and, based upon the response to our exhibit at the 2006 event, we plan to attend this conference in the coming years.

One of the things that we derive from attending these shows is valuable user input. While we showcase our latest product offerings and meet with our present user community, the input that visitors provide to us

helps us determine the growth path for our products. One aspect of our user community that continues to impress us is the level of technical knowledge that is present in modern law enforcement agencies.

Thanks to all who visited our booth and please look for us at next year's conference in Salt Lake City!



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