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Concept Commentary

Private Transport Applications



Introduction

The Nexus Hawk™ brings highly secure, highly reliable voice, video

and data communication to the Anytime, Anywhere and Mobility work force and service provider market. The Nexus Hawk is a secure wireless “connector” that allows mobile, portable and remotely located users to enjoy the same communication benefits that more traditionally cabled users have enjoyed for decades.

The Concept

Recent advances in mobile wireless communication technology make it possible to offer enhanced security, productivity and accountability to private transport providers. These may include almost any mobile workforce including **assisted living transports, college-student and special-event shuttles, public-safety/prisoner transport vehicles, and even mobilized commercial installation and maintenance teams, etc.**

This document is designed to uncover new, innovative and cost-effective ways in which the Nexus Hawk can be used by this sector.

Some of these ways include: (1) providing mobile staff with **electronic mapping** and ability to **receive automated driving directions**, (2) centralized **vehicle-location services**, (3) **secure centralized computer network and world-wide Internet access**, even while in-transit, (4) **inexpensive mobile telephone service**, using Voice over IP handsets (with hands-free options), (5) **video streaming** (and archiving) of the in-vehicle or around-vehicle environment.

In-transit Electronic Mapping

Paper maps can become outdated quickly. Online and electronic maps are easily updated. A Nexus Hawk's™ optional GPS module can be used to feed a laptop-loaded mapping system¹ which can provide both visual and audible destination-directions for your staff.

Because the Nexus Hawk can likewise provide Internet access, staff can use their vehicle-installed computers to access free online resources such as MapQuest.com and Maps.Google.com. There is even a Nexus solution to provide these remote users with the ability to see a symbol (representing their own vehicle) placed on a Google map!

Centralized Vehicle Location

The Nexus Hawk can report industry-standard GPS position information back to a central office, making Automated Vehicle Location² easy. Thanks to a middleware software system called the Nexus DATadapter™, it can even interface with centralized systems that require non-standard or otherwise specialized data formatting.

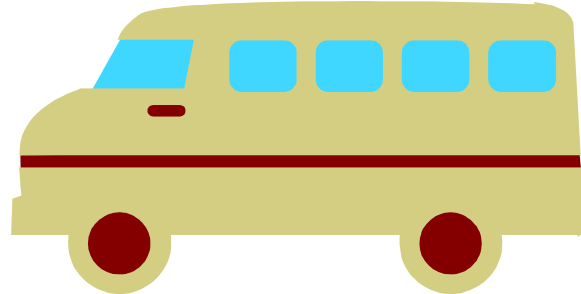
Secure Data Access, Anywhere

The Nexus Hawk can use both public and private cellular data services to provide secure data connections back to the "home office" and to hosts anywhere on the 'net. Applications such as e-mail, CRM, Instant

¹ Additional 3rd party software purchase is required.

² ... the ability to track assets on a map

Messaging, time clocks, real-time inventory/RFID reporting and incident reports of all sorts are now possible while staff is fielded – completely mobile.



Mobile Telephone Services

It is now possible to take advantage of both inexpensive commercial Voice over IP (VoIP) technology (e.g. - Skype, Yahoo and Vonage) and private VoIP service (e.g. – your own phone system's PBX) because the Internet is present wherever the vehicle goes. The Nexus Hawk can be configured as an encrypted, secure and private WiFi hotspot. By introducing any one of a number of "WiFi VoIP" telephones, mobile staff can have secure, real-time telephone service while in mobile operation – without the costs of cellular telephone service!

Video Streaming

Allow the Nexus Hawk to "serve" an IP video camera (or Digital Video Server) to the outside world! It is now possible to view live-action video that is sourced from your mobile vehicle! Some customers may wish to focus the camera inside of the vehicle to peer into the activities inside, from a remote location. Other customers may wish to point the camera outside of the vehicle to provide environmental vision to central staff. It is even possible to install a Pan-Tilt-Zoom (PTZ) camera that can be remotely controlled, allowing for the best of all worlds! -end

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