

## **WPCS provides new GPS-Based School Bus Tracking Technology:**

**New technology offers peace of mind to school administrators, officials and parents:  
Provides real-time location of school buses with 30 second updates.**

Gloucester Township, NJ – Safety of students aboard school buses is a major concern for school administrators and parents across the country. WPCS International out of Lakewood, NJ announced a state-of-the-art solution provided to Gloucester Township, NJ that enables management with the tools it needs to locate school buses in real-time over the Verizon data network. In the event of an emergency, police dispatch can locate on a map the exact location of a school bus. It also provides the added ability of giving the driver a discreet emergency switch that sends a signal back to police dispatch. This enables police to provide assistance and act quickly to an emergency. So far, three buses have been equipped with GPS and additional grant funding through the State Division of Highway Safety is in place for 7 more of the Gloucester Township School District's 105 active buses. Officials hope to continue phasing the technology in as buses are replaced. "We are looking forward to increasing the safety and security and our awareness of where exactly the buses are at any moment," said district superintendent Thomas Seddon. At a press conference Wednesday police demonstrated the tracking system. Police Chief Edward Smith said another goal of the GPS system is that information fed back to police and school officials will help identify factors in crashes. Smith said he began to see the need to collect data from bus crashes in hopes of preventing others. So far, no incidents have occurred on the buses equipped with the tracking device.

The technology is quite simple to deploy. The school bus itself is equipped with a high speed wireless modem by Sierra Wireless provided and installed by WPCS/Quality of Lakewood. The GPS enabled modem, called the Pinpoint X, provides EVDO Rev. A service over the Verizon network. The school bus also contains a panic switch located by the driver for emergency notification. In case of an emergency, the driver would activate this switch. The back-end GPS fleet management software located at police headquarters is provided by Trackstar. This software provides an easy yet affordable way for Gloucester Township to locate in real-time any of its 105 buses 24 hours a day, 7 days a week. It even gives management the ability to view historical reports such as: active/idle, speed violation, zone, stop, distance, mileage etc. These reports are useful in helping archive historical events. As Suzanne O'Hearn from the state's Division of Highway Traffic Safety, said the whole key here is "looking at the children and keeping them safe".

### **About WPCS**

WPCS International ( symbol: WPCS ) out of Exton, PA provides wireless infrastructure and specialty communication systems. WPCS is widely recognized as a world leader in developing and deploying innovative wireless technologies. For more information visit [www.wpcs.com](http://www.wpcs.com).

### **About Sierra Wireless**

Sierra Wireless is a publicly traded company providing modems and software that connect people all over the world with mobile broadband networks that keep them in touch, informed, and productive from wherever they need to be. In this global, high growth industry, Sierra Wireless aims to be a leader in wireless solutions by being cost effective, innovative and responsive to customers. For more information visit [www.sierrawireless.com](http://www.sierrawireless.com).

### **About Trackstar**

Trackstar is located in New Hartford, NY and is a leading producer of GPS based AVL software products that enhance the effective management of vehicle fleets using GPS based vehicle tracking technologies. For more information visit [www.trackstar.com](http://www.trackstar.com).