Testimonial Outline – May 2, 2013

- **Ignition interlocks as a tool to promote student safety** – Ignition interlocks are a proven and effective means of helping prevent alcohol impaired drivers from operating a vehicle. Adapting and implementing this proven technology to accommodate the school bus market can help ensure the safety of innocent children along with our communities. With the addition of a patent pending modification, ignition interlocks can be easily integrated, in a non intrusive means, with school bus operations. The system has been engineered so the driver remains focused on operating the bus and is not distracted by the requirement to provide recurring breath samples while driving the bus.
- **Operational Overview – how the system works**
  - ✓ Impact on school bus operations
    a. Start routine – in many circumstances someone from bus operations will start the buses in advance of drivers arriving to ensure they are warm before the driver begins the route. Realizing it is impractical to expect a single individual to provide air samples to start numerous buses, a key switch is used to bypass the interlock for the purpose of starting the bus. Once started, key is removed which reengages the interlock. When the driver arrives and presses the brake pedal to shift the transmission, the system prompts the driver for a breath sample. If the sample provided exceeds the set point, the bus lights will flash and the horn will sound until an acceptable sample is provided or the engine is shut off.
    b. Bus maintenance – use of the bypass switch allows maintenance personnel to service the bus without being required to provide samples.
  - ✓ How drivers use the system – as referenced, the driver provides a sample when initially engaging the transmission. Once in gear, rolling retests are not required as long as the brake pedal is pressed at least once every twenty minutes (timeframe is configurable). If the bus is shut off, or left idling for longer than twenty minutes, while the driver is on break, the system will require a breath sample when the driver shifts the transmission into gear.
  - ✓ Safety and Privacy features, to limit student exposure to the system and to ensure the driver remains focused on operating the bus, under normal circumstances the driver is not required to provide breath samples while driving. This is accomplished through the implementation of the aforementioned brake pedal timer technology.
  - ✓ Maintaining/servicing ignition interlocks – To ensure system accuracy and produce monitoring reports, calibration equipment will be installed for use by bus operations personnel or the service can be performed by Sens-O-Lock of America. The process to download and recalibrate the system takes less than ten minutes. The only requirement is a computer with Internet access and Windows Explorer 8 or 9 to access and operate the calibration software.

- ✓ Emergency override procedure – in the unlikely event of a system malfunction which prevents the bus from restarting, a supervisor or other authorized individual can temporarily bypass the interlock by using the override key.

- **Device cost and ongoing calibration/monitoring service** –
  - ✓ The current purchase price for a school bus version of an ignition interlock (FR9000SB) is $1800.
  - ✓ Installation options include:
    a. outsourcing installation services ($150 per bus)
    b. a train the trainer (price to be determined) approach whereby school district or bus service provider personnel are trained to perform the installations or,
    c. a combination whereby external resources are used to perform the first few installations while training local personnel to complete the remaining buses in the fleet.
  - ✓ Ongoing service - recalibration and data downloading should be performed at least every 90 days. The fee to access the calibration and monitoring software is $25 per service event, per bus.
- **Installation/support capabilities** – a network of installers, capable of installing the ignition interlock device, already exists throughout the state of NY