

## Implementing State Interlock Laws

Presented to

### Lifesavers2010 Conference

Impaired Driving Track

Philadelphia, PA

April 13, 2010

### Toby Taylor

Oklahoma Board of Tests for Alcohol and Drug Influence

Oklahoma City, OK

---

---

---

---

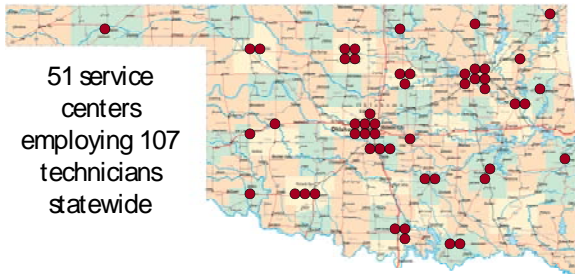
---

---

---

---

## Program Scope



---

---

---

---

---

---

---

---

## Implementation Challenges

- ▶ Program funding
- ▶ Device Certification
- ▶ Violation reporting
- ▶ Calibration methods

---

---

---

---

---

---

---

---

### **Program Funding**

- ▶ Unfunded legislative mandate
- ▶ Legislative authority to charge “appropriate fees for operations incidental to its required duties and responsibilities”
- ▶ Industry contributions
- ▶ User fees

---

---

---

---

---

---

---

---

### **Installation Decal Program**

- ▶ Implemented in July, 2007
- ▶ The decal is a sequentially numbered sticker purchased from the Board, usually in bulk
- ▶ The cost is \$10.00 each.
- ▶ To date, the program has generated in excess of \$116,000.00
- ▶ Not required on voluntary installations
- ▶ The decals are accounted for in a monthly log submitted by the service centers which reports spent, spoiled, or lost decals

---

---

---

---

---

---

---

---

### **Installation Decal Program**

- ▶ The Installation Decal Program has resulted in some positive but unintended consequences
  - Program control
  - Allocation of inspection resources
  - Statistical information
- ▶ Drawbacks
  - Cumbersome
  - Labor intensive
  - Subject to legibility issues
- ▶ Automated process (2010 implementation)

---

---

---

---

---

---

---

---

## Device Certification

- ▶ Device certification process consisted of
  - Application
  - Lab certification
  - Proof of product liability insurance
  - Various acknowledgements
  - Payment
- ▶ We expanded this process by
  - Creating violation definitions
  - Verifying configuration
  - Conducting field tests

---

---

---

---

---

---

---

---

## Creating Violation Definitions

- ▶ We discovered significant differences
  - How manufacturers define violations/ verbiage
  - If and how violations were explained to IID users
- ▶ Goals
  - Create a single set of violation definitions
  - Ensure that every participant was informed as to what constitutes a violation and under what circumstances they would be reported

---

---

---

---

---

---

---

---

This completed form affixed with an Installation Decal constitutes official proof of installation

SIGNALING SYSTEMS INTERCOM INSTALLATION AND ACKNOWLEDGMENT

Participant Name: \_\_\_\_\_ Address: \_\_\_\_\_  
City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_  
Phone: \_\_\_\_\_  
E-mail: \_\_\_\_\_  
Date: \_\_\_\_\_

Participant Signature: \_\_\_\_\_  
Date: \_\_\_\_\_

---

---

---

---

---

---

---

---



## Field Test

- ▶ 6 devices were submitted requiring 20 field tests
- ▶ Failures were related to things such as not recording bypasses, retest refusals or penalty fails, incorrect violation reset, improper violation reporting, etc.
- ▶ The field test educated staff about the functionality of the devices and provided insight into the technical challenges related to violation recording

---

---

---

---

---

---

---

---

## Certified Devices

- ▶ Consumer Safety Technology, Inc.
  - Intoxalock Model 1001A
- ▶ Draeger Safety Diagnostics, Inc.
  - Model XT
- ▶ Guardian Interlock Systems, Inc.
  - Model AMS2000
- ▶ LifeSafer Interlock, Inc.
  - Model FC100
- ▶ Smart Start, Inc.
  - Model SSI-1000 and SSI 20/20

---

---

---

---

---

---

---

---

## Violation Reporting

- ▶ Data analysis and reporting method
  - Data Analysis
    - Vendor analysis
      - Technician level
      - Regional level
      - Corporate level
    - Monitor analysis
      - Raw data is sent to the monitoring agency who filters
  - We currently have all forms of vendor analysis

---

---

---

---

---

---

---

---

## Violation Reporting

- Reporting method
  - Vendor analysis only
    - Manual
    - Electronic
- ▶ No reporting method mandate but do require the use of a standardized form
- ▶ Violation reports must be submitted within five business days after vendor confirmation

---

---

---

---

---

---

---

---

## Violation Reporting

- ▶ Our biggest problem - not in the violation reporting loop
- ▶ Changes (2010 implementation)
  - BOT website - online violation report generation
    - Standardized form
    - BOT inclusion – digital format
    - Vendor opportunity for electronic reporting method
  - Internet access to manufacturer database
    - Random review of raw data dumps to ensure proper reporting

---

---

---

---

---

---

---

---

## Calibration Methods

- ▶ We became concerned about calibration methods for several reasons
  - The fuel cell devices auto calibrate
  - Simulator solution/gas standard source
  - Storage of simulator solution
  - Personnel
  - Due process

---

---

---

---

---

---

---

---

### Calibration Methods

- ▶ Surveyed each manufacturer who had a device approved for use in our state. The purpose of the survey was to:
  - Identify what calibration methods they use
  - Existence of a company policy
  - Find out where they obtain their simulator solution or dry gas
  - IID calibration value

---

---

---

---

---

---

---

---

### Calibration Methods

- ▶ Goals
  - Ensure calibration
  - Educate our inspectors and raise technicians awareness
  - Ensure only approved equipment is being used in the calibration process and functioning properly
  - Ensure simulator solution or dry gas used in the field is valid and properly handled

---

---

---

---

---

---

---

---

### Calibration Methods

- ▶ Changes
  - Emphasize calibration methods on our technician written test
  - Preparatory documentation or Certificate of Analysis onsite
  - Place a heavier emphasis on the calibration equipment and process, during the onsite inspection, by focusing on the following:

---

---

---

---

---

---

---

---

## Calibration Methods

- ▶ Wet bath (60%)
  - Connections
  - Seal pressure
  - Displayed temperature vs. measured internal temperature.
  - Calibration log
  - Reference solution storage
  - Reference sample predicted value vs. P.B.T. result
- ▶ Dry Gas (40%)
  - Connections
  - Tank pressure
  - Expiration date
  - Reference sample predicted value vs. P.B.T. result

---

---

---

---

---

---

---

---

## Calibration Methods

- ▶ Results
  - Improved device calibration
  - Increased awareness for technicians
  - Educated staff
  - Malfunctioning equipment is identified and repairs required

---

---

---

---

---

---

---

---

## Will we EVER get 1<sup>st</sup> offender language?

- ▶ Vendor political activity
- ▶ 2004 – Oklahoma Ignition Interlock Association
- ▶ Legislative pushback
- ▶ We need motivation
  - Advocacy
  - Federal tie-in
  - Publicity

---

---

---

---

---

---

---

---

## Contact Information

Toby Taylor  
Ignition Interlock Program Administrator  
Oklahoma Board of Tests for Alcohol and Drug Influence  
P.O. Box 36307  
Oklahoma City, Oklahoma 73136  
(405) 425-2460  
[totaylor@dpsstate.ok.us](mailto:totaylor@dpsstate.ok.us)  
[www.ignitioninterlock.ok.gov](http://www.ignitioninterlock.ok.gov)

---

---

---

---

---

---

---