



# Pro Tech Monitoring, Inc.

## GPS Tracking Program

## Status and Developments



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Chief Executive Officer and President  
Pro Tech Monitoring

# Pro Tech Overview

- Pro Tech is the World's leading provider of GPS tracking for criminal justice customers
- Purchased by Dmatek in January 2007
- Headquarters in Tampa, Florida
  - 71 employees
- Tracked more than 100,000 offenders using GPS since 1998
- Currently have more than 10,000 Pro Tech active and passive GPS devices deployed in 43 states and Canada

# Pro Tech Smart System



First Active Tracking Device developed in 1998

Believe it or not...still in limited use today

# Pro Tech Smart System

Multiple Levels of Supervision with a Single Hardware and Software Interface



SMART<sup>®</sup> RF Curfew Monitoring



SMART<sup>®</sup> Passive GPS Tracking

SMART<sup>®</sup> Hybrid GPS Tracking

SMART<sup>®</sup> Active GPS Tracking

# The Total Solution

- There is MUCH more to GPS tracking than the size, shape and configuration of the device
  - Must provide secure and reliable tracking
  - Tracking devices are data collection tools
- Software interface must be responsive and reliable
  - Vendor hosted maps versus On-line maps – increased speed and availability
  - Client based vs. Browser based – Increased speed and security
  - Local servers vs. centralized servers
  - Reports – wide variety of on-line and custom reports
  - Integrated Case Management capability
- Redundancy is a must
- Vendor must be “Fluent” in GPS
  - Strong technical knowledge of GPS and wireless Comm
  - Access to technical support

# Two Piece vs. One Piece GPS



|                            |   |  |
|----------------------------|---|--|
|                            |   |  |
| Tracking Capability        | Bigger antenna = better tracking<br>Bigger Unit = more difficult to put in hard to track places<br>GPS turns off when not in motion           | Always in motion, always tracking  |
| Spoofing                   | Motion detector provides most effective means of determining when unit is being moved without GPS<br>Can be scheduled, eliminates false alibi | "layered location technology" is a buzz word. Not as effective as motion detector. Can be masked. Cellular assisted tracking is not universally available and requires connectivity. |
| Battery Life               | 48 hours, 50 meters tether while charging   | <24 hours, limited mobility while charging   |
| Convenience                | 70 gram Tag. Tracking device may be carried in a hand bag, back pack, etc.  | 230 gram Tag. Much larger than a conventional tag  |
| Loss Stolen                | Offenders lose less than 1% of one-piece tracking devices, most is intentional loss   |  |
| Tag Leave                  | Less than one violation/offender /day   | With RF link: Same Issue<br>Without RF Link: May go undetected   |
| Communication with subject | Text Messaging with the subject with acknowledgement of receipt   | No Communication   |

# Keys to a Successful GPS Program

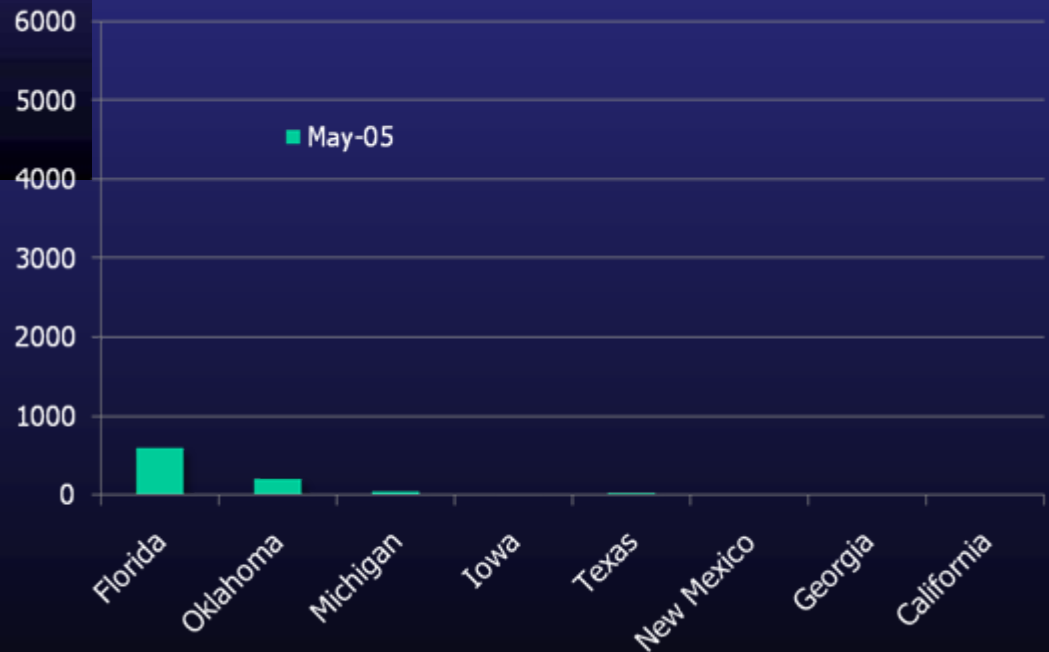
...from the Vendor's Perspective

- Gov't Personnel Committed to the GPS program
  - Recurrent training commitment
  - Full time users of the system
  - Trust in the equipment
- Established GPS procedures
  - Not modified RF procedures
- Match the supervision level to suspect
- Established consequences for the suspect
  - Rule violation
  - Mistreatment of the equipment

# Projections from 2005 CEP Presentation

## Impact of the New Legislation

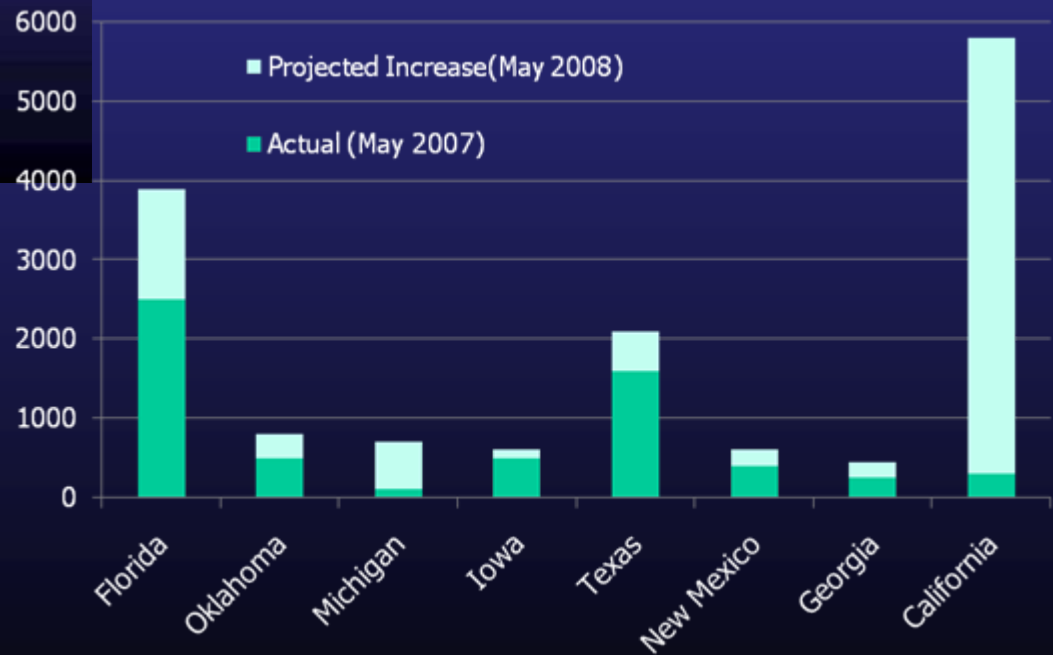
- Florida Program will likely grow to 2,400 tracked offenders in the next 18 months and 5,600 offenders by 2008
- Oklahoma will likely be tracking more than 200 sex offenders by years end (new program)
- The number of offenders tracked in the US will likely more than double in the next 24 months
- More tracking of other violent offenders
- More emphasis on offender pay and full service programs
- Increased effectiveness of Crime scene correlation systems



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# Update from 2005 CEP Presentation

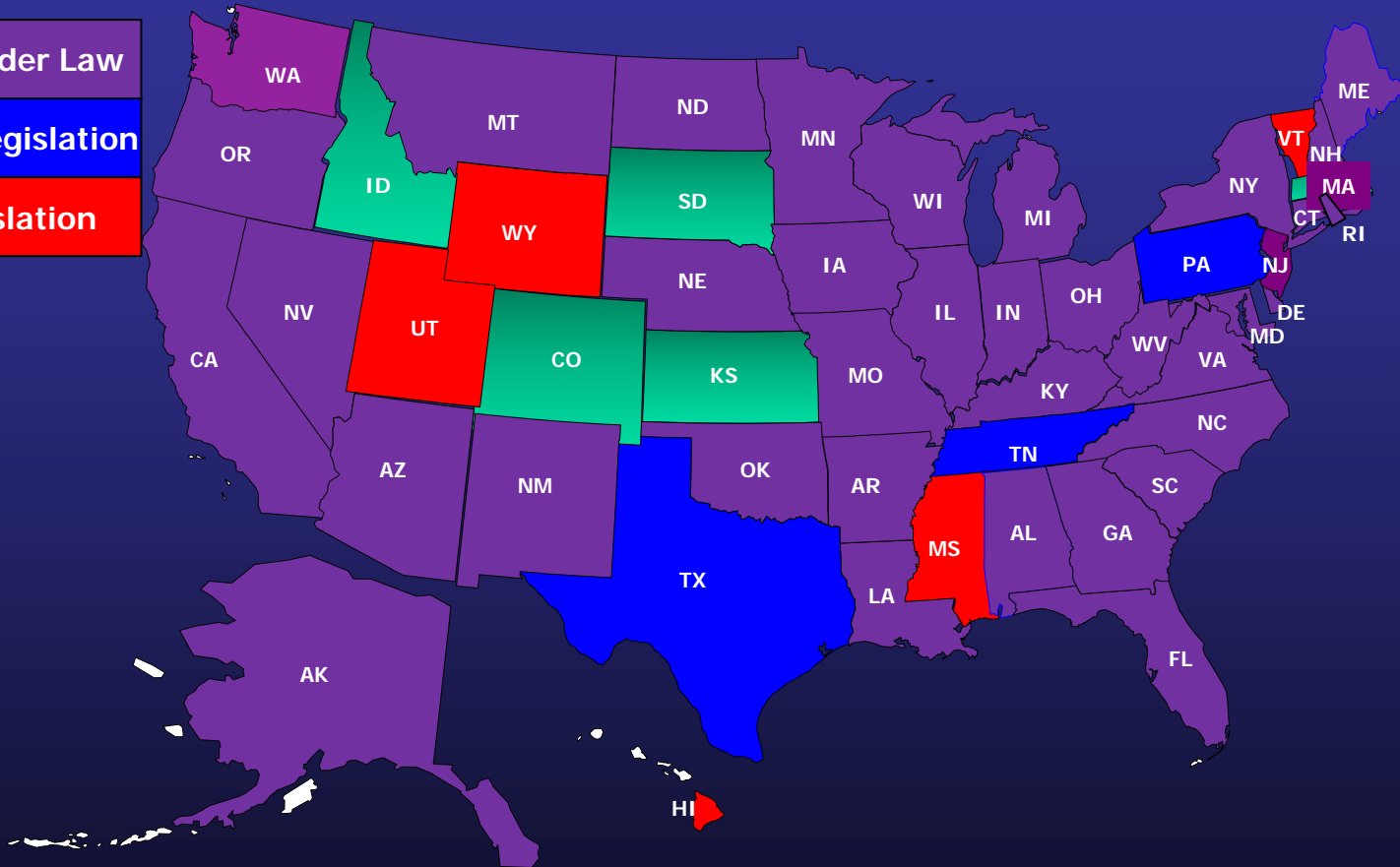
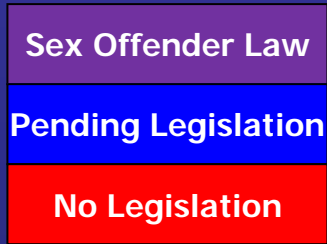
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- GPS is widely accepted as a tool for sex offender management
- Jessica Lunsford Law's are increasing GPS utilization
  - Heightened public awareness
- Effectively utilized as an alternative to incarceration for certain subjects
  - Jail overcrowding
  - Pre Trial
- Offender pay programs on the rise
- Crime scene correlation in increasing becoming a tender requirement



# Sex Offender Legislation Requiring GPS



- Price of GPS has come down but is stabilized
  - Lower communication costs
  - Hardware cost reductions
  - Economies of scale
- More and more GPS is used as part of an integrated monitoring system
- Law makers and the press do not fully understand the capabilities and limitations of GPS
  - No Heinous crimes committed by an offender while on Pro Tech GPS
- Not just for large agencies
  - Many Local agencies have successful GPS programs
- Jail diversion and pre-trial programs have been high growth areas

- Fewer than 1 violation per offender per day in U.S.
- Tag gone/curfew violations account for 36% of violations
  - 94% of tag gone/curfew violations clear within 2 minutes
    - Alert grace period may be established to reduce the number of real time alerts
    - T.G. violations of short duration are not false alerts, they are indicators of subject behavior
- Equipment loss rate is less than 2% (tracking devices) per year based on total utilization
  - Offenders lose less than 1% of our equipment per year
  - Officers lose 2.5% of our equipment per year

# Summary

- GPS is technology for offender tracking is proven and has been embraced by many agencies
- Not all GPS products are alike or are suitable for the Corrections Market
  - Test multiple products – the technology is proven and sound
  - Understand the capabilities and limitations
- Take advantage of those that have gone before you
  - Many U.S. agencies will share their operational procedures, experiences, facts and opinions