

INTRO TO ELECTRONIC MONITORING

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Evolution of Electronic Monitoring



RF Bracelets



- Participant is fitted with a lockable ankle monitor and given a home base station
- The bracelet and the base station communicate using radio frequency
- Both bracelet and base stations have tamper indicators
- The equipment will report when the participant enters or leaves the lockdown location using a home phone line or cellular phone systems
- Can be set up for full location lockdown or for curfew monitoring
- Officer can setup programming to get the type of alerts they choice to receive

COMMON USES IN COURTS

- Curfew monitoring
- Home arrest instead of jail served
- Sanction for violation
- Jail depopulation program
- Bond requirement

Advantages of RF Monitoring

- Cheapest type of electronic monitoring
- Easy to use
- Easy access to equipment
- Years of being used in court settings
- Law enforcement can receive alerts by page, phone or call from monitoring company

Disadvantages

- No location if they elope
- Officer must go to house and make sure base station and bracelet link up without dead zone in lock down location
- Requires fast response for a violation
- Dependent on phone systems
- Not able to create large lockdown locations
- Some systems do not use caller ID system
- Officer must perform house check if equipment gives a movement alert

Types of GPS Bracelets



Passive Bracelets: This bracelet will store location data in a built in memory until a pre-determined time. The bracelet will then upload the past locations of the participant using a cellular system built into it or a home base station that uses a home phone system.

Hybrid Bracelets: This will act as a one piece unit that stores the participants locations until uploading at a pre-determined time. The bracelet will give last location updates when requested and will give zone violation alerts when they are recorded.

Active Bracelets: This bracelet monitors in near true time. Location request can be made to continue to get up to date locations for tracking of participants. The bracelet will report zone violations when recorded. Many models allow for paging of participants using an alert, vibration or voice command built into the bracelet.

Comes in one or two piece units.



Compares location of multiple satellites to determine receiver location.



GPS bracelets can be used to report a participant entering a zone or leaving a zone.



Common ways used by courts

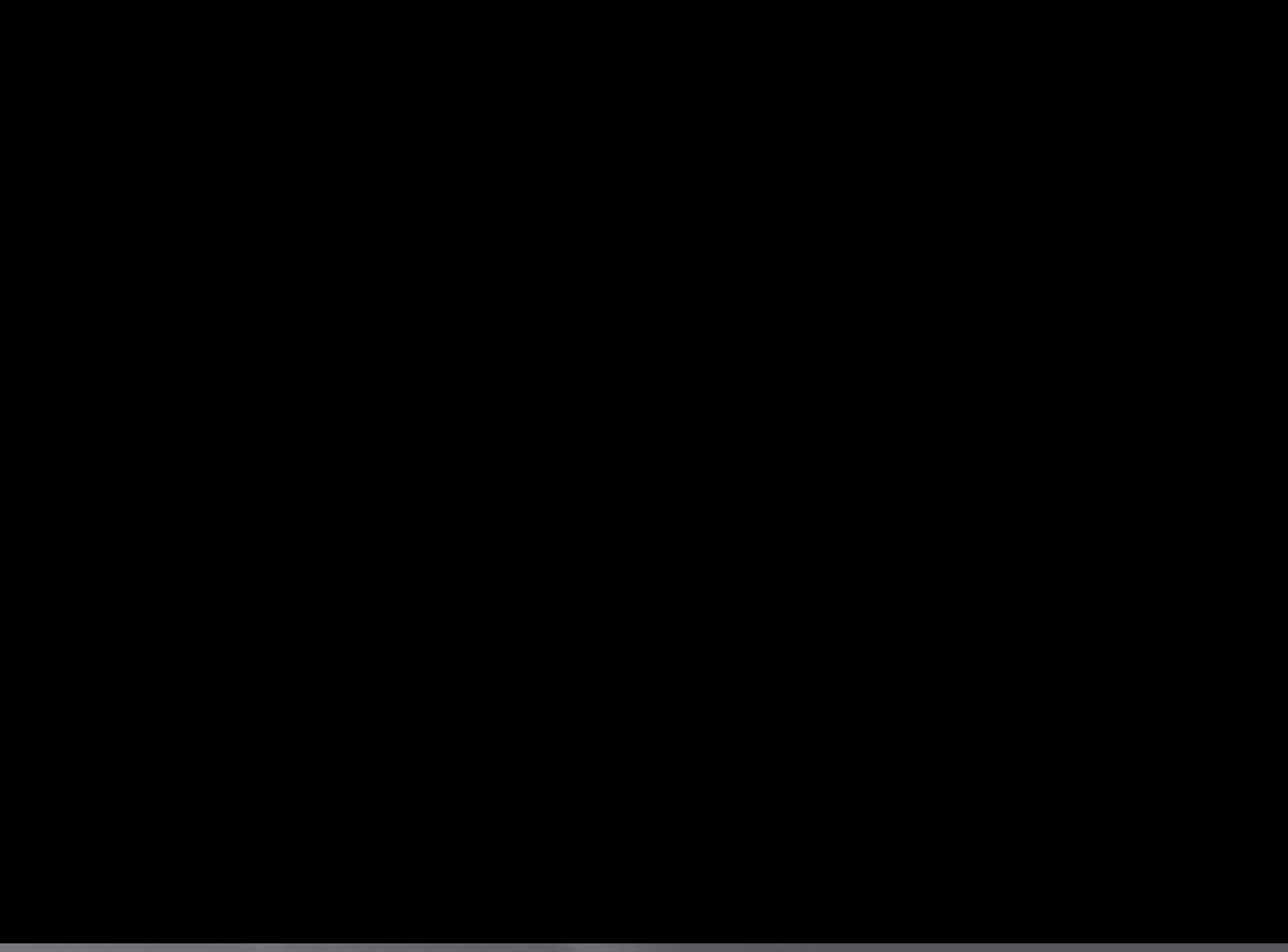
- Probation monitoring
- Bond conditions
- Drug court sanction
- Curfew restrictions
- Home arrest
- Victim protection.
(Some equipment is capable of providing victims with a GPS unit they keep with them to compare suspect locations)
- Jail depopulations or jail alternatives

Advantages to GPS Monitoring

- Almost true time location available for participant monitoring for active or hybrid versions
- Zones can be custom made to fit the needs of the courts
- Most bracelets have multiple tamper indicators
- Many outside private agencies can provide monitoring for courts or law enforcement agencies
- Easy computer dashboard to use
- Many dashboards can be used on smart phones
- Law enforcement can receive alerts by page, phone or call from monitoring company
- Some bracelets will notify the participant of a violation, some will not

Disadvantages

- Expensive
- Can be time consuming if done without an outside monitoring company
- Bracelets must be charged daily by participants
- Dependent on cellular system provider for active and hybrid bracelets



Alcohol Monitoring



Monitoring by Random Breath.



- Random breath testing devices are set up with a scheduled designed by the officer or done randomly
- The device will send out a tone indicating to the person that it is time to conduct a test
- Most devices will use either voice recognition, picture comparison or facial recognition
- Devices are either set up at one location or mobile devices that the participant keeps with them
- Uses landline phone system or cellular to upload data
- Some mobile units will give GPS location also



Advantages of Random Breath Testing

- Helps to insure sobriety for participants
- Allows for more testing than having the participant report to the officer's location
- Years of court validation for breath testing
- Fairly inexpensive.
(landline home unit)
- Easy dashboard

Disadvantages

- Requires participant cooperation.
(Why blow in the device if they are drinking)
- Time consuming if comparing photos

Transdermal Alcohol Bracelets



Advantages

- Both have court validation
- Samples participants sweat for alcohol consumption
- Worn 24 hours with Multiple tamper indicators
- Court assistance from both providers
- Capable of providing RF house arrest along with alcohol monitoring
- Can upload using home phone line and cellular phone line

Disadvantages

- Expensive!
- Invasive
- Controversial affects of environmental alcohol exposure

Common ways used by courts

- Sentencing requirement
- Condition of Bond
- Drug Court sanction
- Child custody cases
- Volunteer program

Using an outside monitoring company.

Many private agencies will perform all the monitoring for your agency, complete your violation reports and notify proper law enforcement for violations.

Make sure someone is watching and responding to alerts!! Have a policy!!





PAROLEE DATA

7 NEWS

**MAN SUSPECTED OF STEALING COLLECTIBLE COINS
POLICE THINK HE CUT HOLE IN WALL TO GET INTO BUILDING**

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