3M™ Domestic Violence GPS Proximity Notification System – Web Training

Objective

- **TO EXPLAIN HOW THE SYSTEM PROTECTS THE VICTIMS OF DOMESTIC VIOLENCE**

3M™ Domestic Violence GPS Proximity Notification System

Web Application

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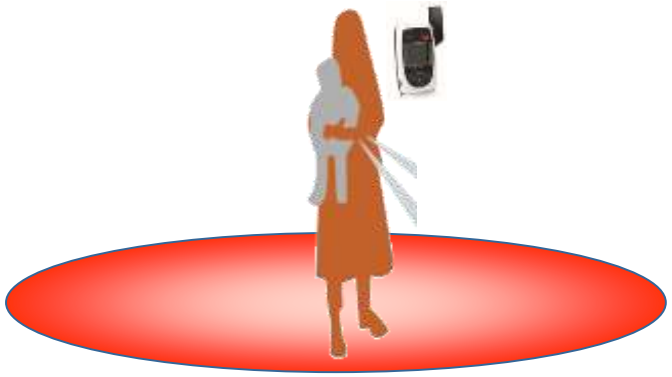
Domestic Violence GPS Proximity Notification System

- Provides multiple security layers around the Victim while in the residence and on the move
  - *Fixed zones*
  - *Mobile zones*
  - *RF layer*
- Real time tracking of Aggressor's location according to predefine zones and proximity to the Victim

Victim's perspective

Fixed Zone– When indoor, at home, at work, at parents house, at children school



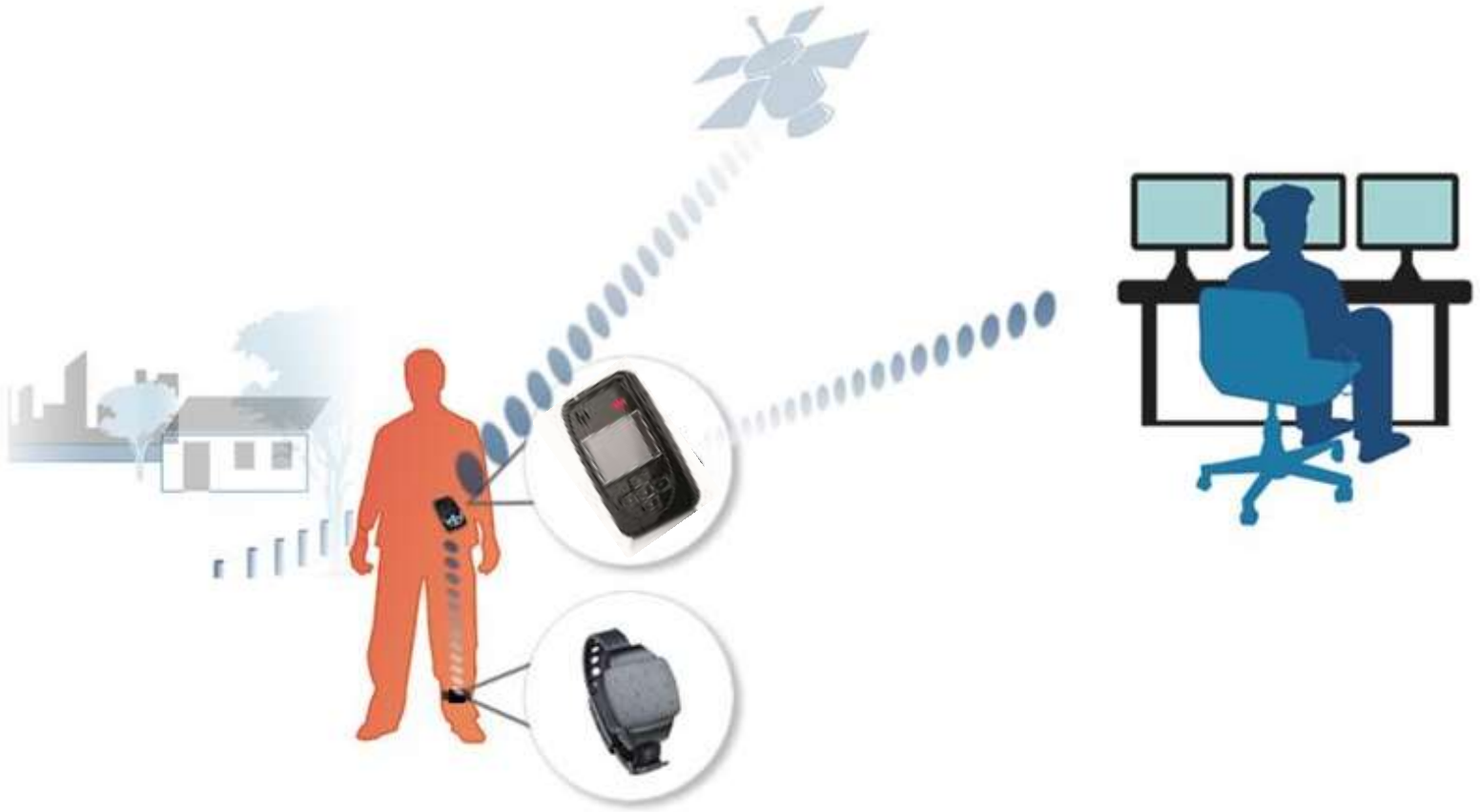
Mobile Protection Zone – On the Move when outdoor.

Real Time notification to the Victim when the Aggressor is in range or in proximity to the Victim.

Victim- Operational Concept

- **GPS Tracking Device**
  - *Combines GPS+RF+GSM*
- GPRS communication with the monitoring center
- **Requires Victim cooperation**
  - *Message acknowledgement*
  - *Carrying and charging the unit*
- **Communication with the Victim**
  - *Text and Voice communication*
  - *Audible alarms*
  - *Real time notification of Aggressors presence*
  - *Enables the Victim to call for help or send a Panic Alert*
  - *Immediate notification to the monitoring center*

Aggressor's perspective

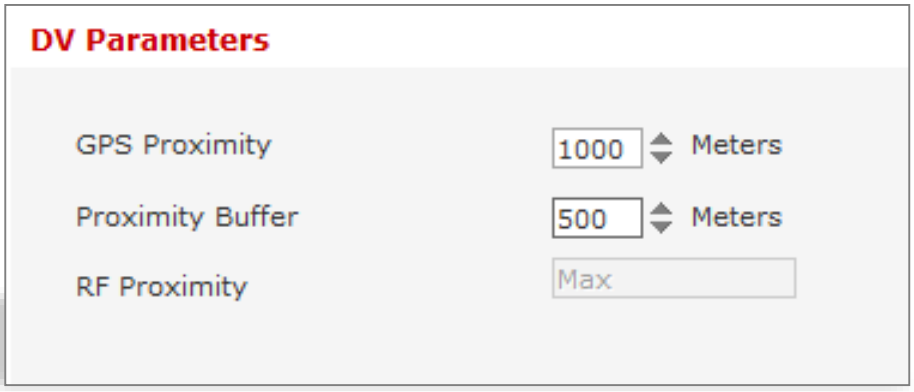


Aggressor - Operational Concept

- **2 piece GPS Tracking Device**
  - *Combines GPS+RF+GSM*
- GPRS communication with the monitoring center
- **Requires Aggressor cooperation**
  - *Message acknowledgement*
  - *Carrying and operating the unit*
  - *Charging the unit*
- **Communication with the Aggressor**
  - *Text and Voice communication*
  - *Audible alarms*
- **Program Configuration**
  - *Multiple zone settings*
    - *Inclusion / Exclusion, Circle / Polygon*

DV Parameters

- GPS Proximity– The radius from the Victim which, if the Aggressor enters that radius, an violation event is generated
- Proximity Buffer – The radius from the Victim, beyond the GPS Proximity radius, which, if the Aggressor enters that radius, a warning event is generated
- RF Proximity – The distance between the Aggressor's Transmitter and the Victim's Tracking unit at which the system will detect physical proximity via RF monitoring.

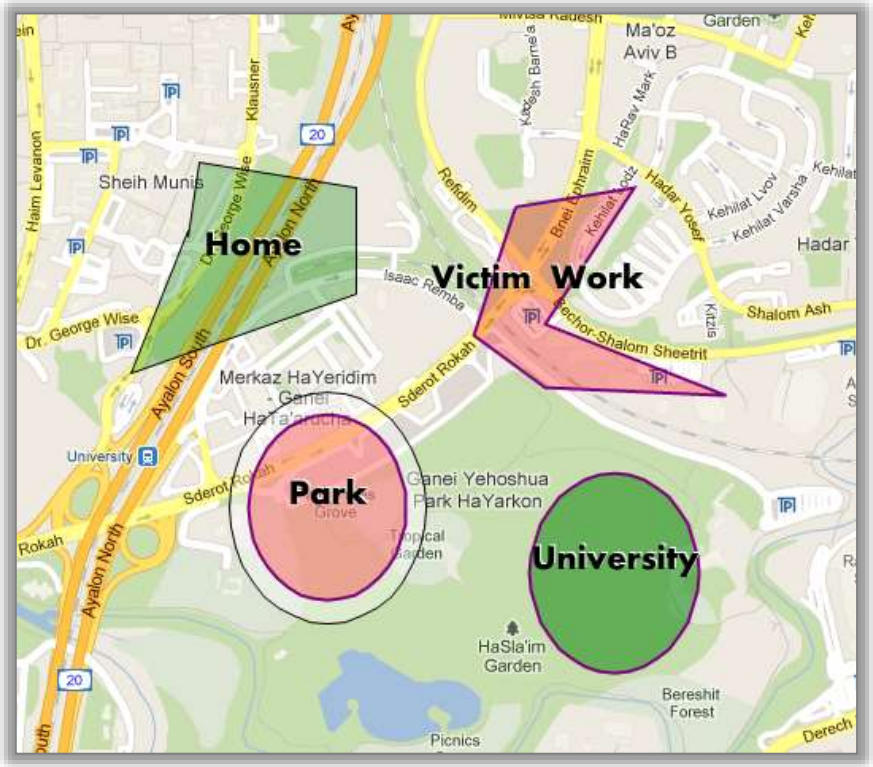


HOW IT WORKS

- In case there is no alert or violation, the system remains “sleeping”
- When the aggressor enters in an alert or violation situation, an alert or violation event is produced and should be managed by the control center officer.
- In case of violation of a mobile zone, an alarm is sent to the victim and to the control center, but not to aggressor. The officer at the control center, controls the Aggressor’s trail.
- In case of violation of a fixed zone, an alert is sent to the victim, to the control center and to the aggressor. The officer contacts the aggressor and if he doesn’t obey to the officer order, the police is called and the victim warned.

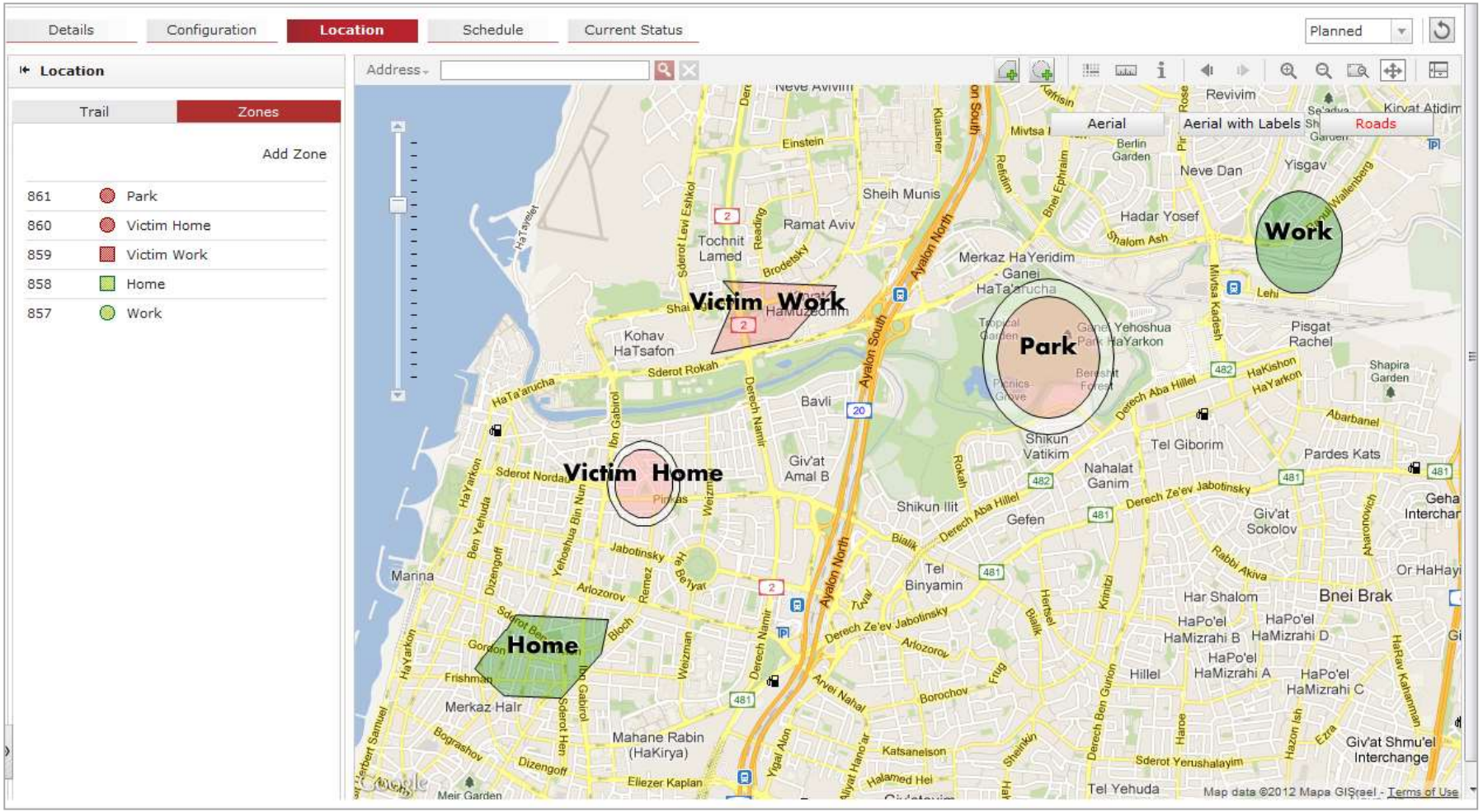
Zones for the Aggressor

- Zone Shapes
  - *Polygon*
  - *Circular*
- Zone Types:
  - *Inclusion (Green)*
  - *Exclusion (red)*



Notice: Circular Exclusion Zones include a Buffer area.

Zones Configuration for the Aggressor



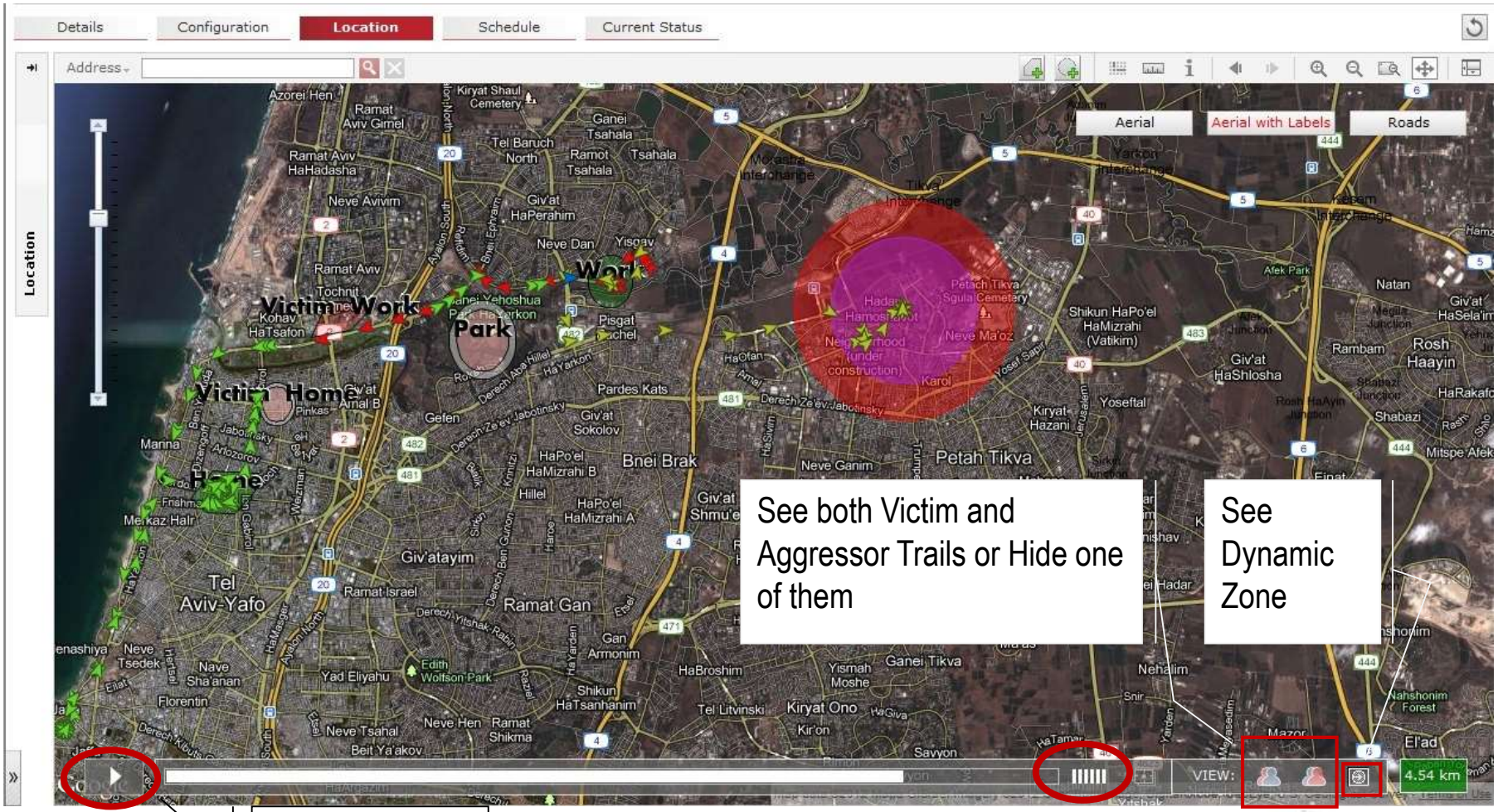
Trail Report

View the most recent Trail according to the last 6,12 or 24 hours, or according to the dates you want

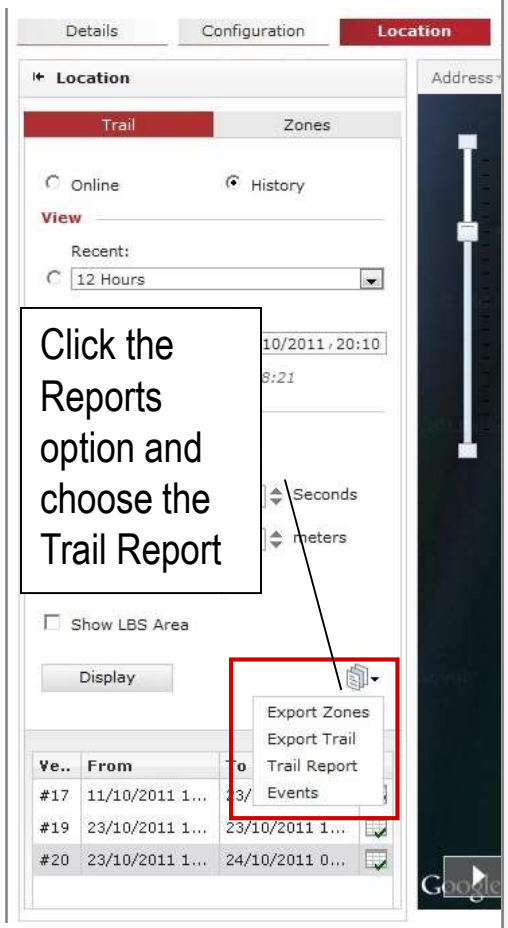
Optionally, filter the Trail according to Time or Distance.

Click Display to show the Trail

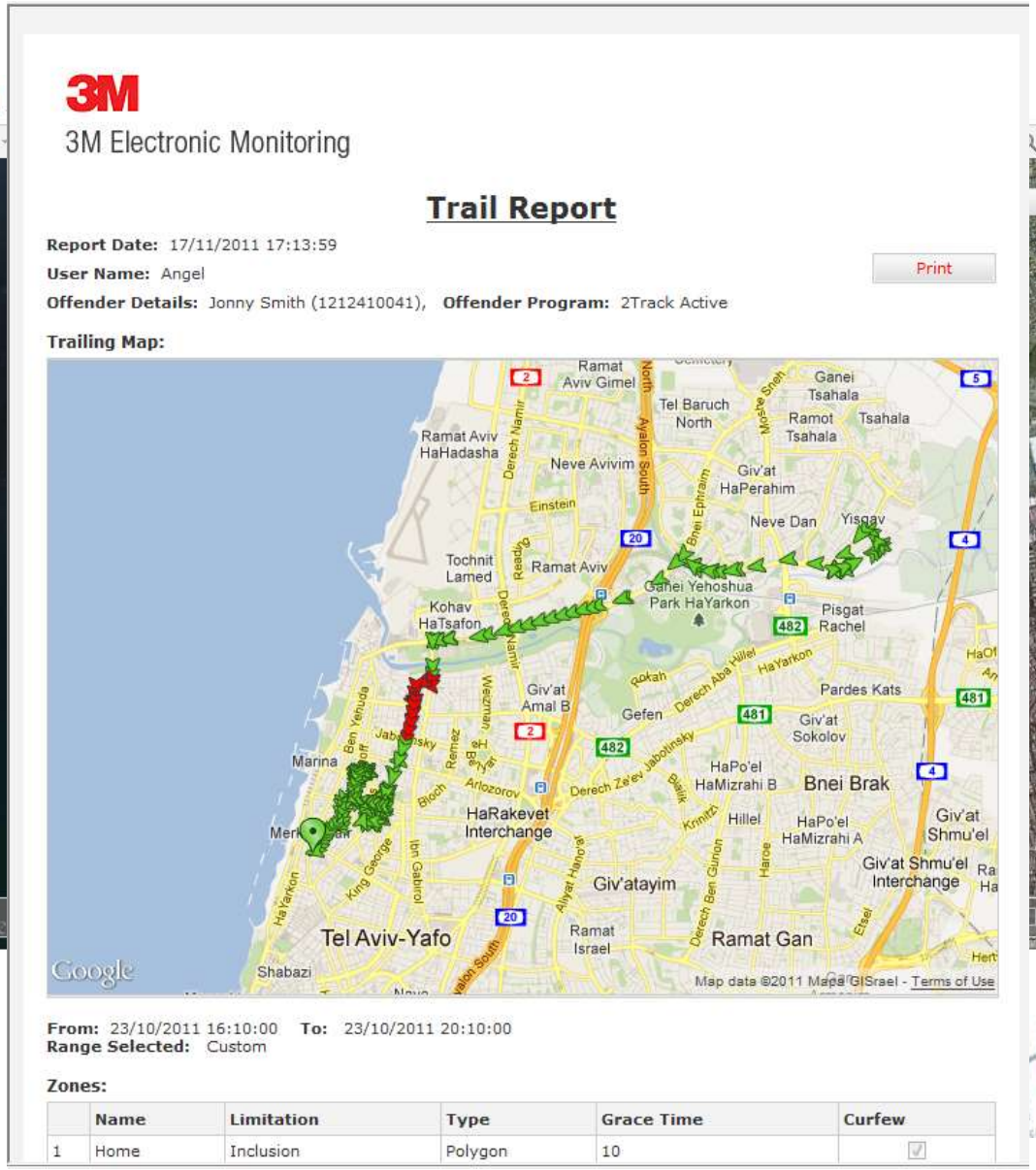
Trail Animation



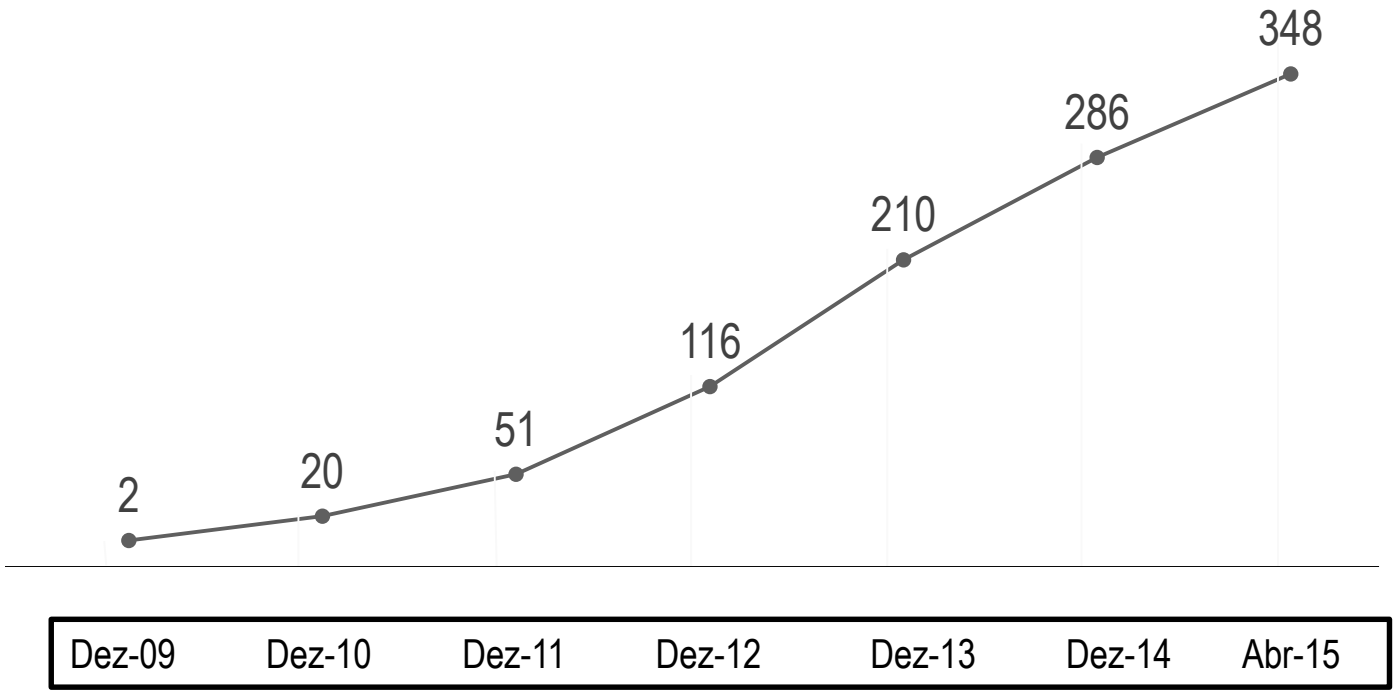
Trail Report Printout

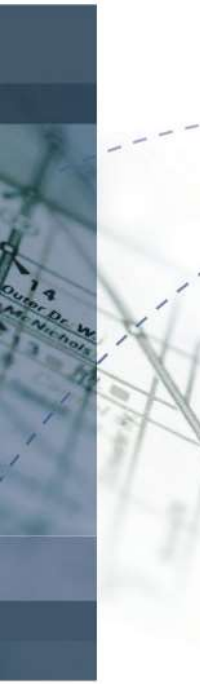


Click the Reports option and choose the Trail Report



Evolution of DV Cases in Portugal





Questions?

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