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One Piece GPS Offender Tracking Device (Gen 4) with Beacon User Manual

3M™ One Piece GPS Offender Tracking Device (Gen 4) with Beacon User Manual

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SAFETY INFORMATION

Please read, understand, and follow all safety information contained in these instructions prior to the use of this 3M Electronic Monitoring device. Retain these instructions for future reference.

Intended Use:

This 3M Electronic Monitoring device is part of an electronic monitoring system, which performs data transfer using cellular network to a monitoring platform. This device has not been tested for and is not intended for use on airplanes, in hazardous environments, in healthcare facilities, or where cellular phones or other intentional transmitters are restricted.

Explanation of Signal Word Consequences	
⚠ WARNING:	Indicates a hazardous situation which, if not avoided, could result in serious injury or death
⚠ CAUTION:	Indicates a hazardous situation which, if not avoided, could result in minor or moderate injury and/or property damage.
NOTICE:	Indicates a situation which, if not avoided, could result in property damage.

Safety information for Trained Customer (e.g., officer, agency representative, ministry of justice) and Offender.

⚠ WARNING

- Avoid placing a device next to an implanted electronic device (e.g., don't carry the device in a shirt or jacket pocket directly near an implanted device).

- To reduce the risks associated with fire or explosion:
  - Do not intentionally open or damage the device.
  - Do not enter areas with potentially explosive atmosphere. Potentially explosive areas are often, but not always, clearly marked.

- To reduce the risks associated with hazardous voltage:
  - Do not modify AC/DC power adapter plug.
  - Do not force the power plug into an outlet where it does not fit.
  - Use only a 3M provided power adapter to recharge or power the device.
  - Do not unplug AC/DC adapter by power cord. Handle the adapter by the body only.
  - Do not modify, decorate, or attempt to service the device. Return to 3M authorized personnel or location for repair or service. There are no user serviceable parts.
  - Do not attempt to charge the device using an outdoor outlet. Only use the AC/DC adapter indoors.
  - Do not expose power adapter to rain, steam or wet conditions.

- Do not submerge the device, or hold the device under running water, while it is charging.
- Do not submerge the device, or hold the device under running water.

⚠ CAUTION

- To reduce the risks associated with hot surfaces:
  - Do not touch thermal pads on device or charger if charging is interrupted.

Safety information for Trained Customer only.

⚠ WARNING

- To reduce the risks associated with fire or explosion:
  - Do not attempt to access or replace battery. Battery is not user-replaceable. The device shall be opened by 3M authorized service only.
  - Ensure storage temperature of device is within the range as specified in device manual.

⚠ CAUTION

- To reduce the risks associated with sharp points:
  - Use caution when handling pin trays.

Safety information for Offender only.

⚠ WARNING

- To reduce the risks associated with fire or explosion:
  - Risk of explosion if battery is replaced by an incorrect type. Dispose of used batteries according to the instructions.
  - Do not use device outside of the operation temperature range specified in device manual. Contact the agency representative from which you are monitored to get operation temperature range.

- To reduce the risks associated with hazardous voltage:
  - If the device or power cord becomes damaged, contact the agency representative from which you are monitored.

NOTICE

- Only authorized personnel can turn off or remove the device.

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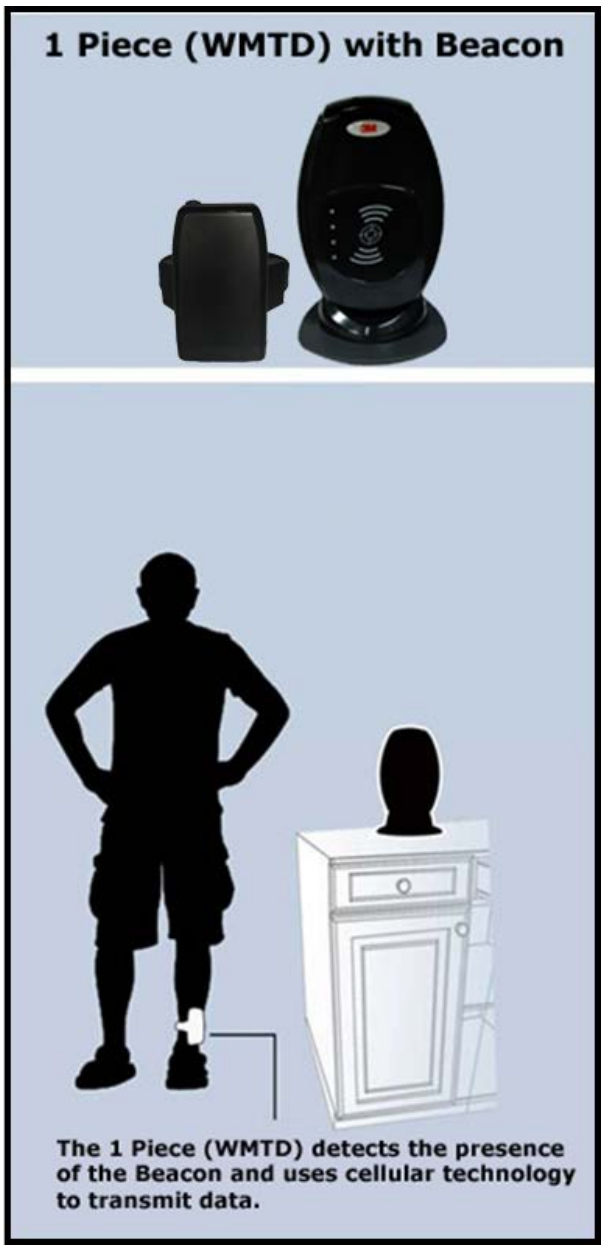
1 Piece (Gen 4) with Beacon Overview

3M Electronic Monitoring's One-Piece GPS Offender Tracking Device (Gen 4) utilizes GPS satellites to establish an offender's location and uses cellular networks to transmit the location data to 3M Electronic Monitoring. It is a one-piece device that is worn on an offender's ankle and is able to function in active and passive mode.

The Beacon is an optional home unit placed in an offender's home which communicates with a 1 Piece (Gen 4) through radio frequency. This ensures the offender is within range of the Beacon during a scheduled home curfew. The home unit will also act as a beacon to display when the offender is in the "home" or "away" status.



1 Piece (Gen 4) Operating Features

Battery Life: The device should be given a full charge (4.2 volts) to supply a full day of battery life. It takes approximately 2 to 2½ hours to acquire a full charge. The battery will last approximately 24-30 hours if fully charged. The daily life of the battery is dependent upon the call-in interval of the device, how often it goes to rest, and how many violations are created. The battery must be charged each day in order to continue to track your offender's locations.

Vibrate feature: The 1 Piece (Gen 4) will vibrate upon violation and when the device receives an alert from the officer. If the offender causes a violation, the 1 Piece (Gen 4) will vibrate three times consecutively and once every ten minutes until they clear the violation.

If the officer sends the offender a notification (an alert) to contact them, the 1 Piece (Gen 4) will vibrate for ten consecutive seconds. As soon as the offender acknowledges the notification, the vibration will stop. All three LED lights will be flashing red to indicate that the offender needs to acknowledge the officer's notification. If the offender doesn't acknowledge the notification, then every ten minutes it will vibrate once until they acknowledge the notification.

Storing GPS Points: The 1 Piece (Gen 4) will store an offender's location (GPS point) when in motion (moving) every minute. If the 1 Piece (Gen 4) does not experience any motion for two consecutive minutes, the 1 Piece (Gen 4) will go to "rest" and collect a GPS point every hour instead of each minute. As soon as any motion is generated, the 1 Piece (Gen 4) will resume recording points on a minute-to-minute basis. However, if the offender causes a geographic zone violation, the 1 Piece (Gen 4) will begin to store a point every 15 seconds.

Call-in intervals: The 1 Piece (Gen 4) will contact 3M Electronic Monitoring every hour while in active mode and every six hours while in passive mode. While in active mode, it will also contact 3M Electronic Monitoring immediately upon violation.

Automatic Redial: If the 1 Piece (Gen 4) is unable to communicate with 3M Electronic Monitoring because of poor cellular coverage, it will continue to try to call and download its information until it is successful.

Waterproof: The 1 Piece (Gen 4) is waterproof down to 66 feet.

1 Piece (Gen 4) Operating Features, Cont.

Rubber strap: The 1 Piece (Gen 4) strap is designed to last nine months to one year.

Magnetized Charger: The 1 Piece (Gen 4) has a magnetized charger to prevent an accidental disconnect when the battery is being recharged.

1 Piece (Gen 4) Operating Features

Communication

The 1 Piece (Gen 4) has a SIM card, which is similar to the data transmitter/receiver found in most cellular phones. The 1 Piece (Gen 4) uses the SIM card to transmit and download the GPS points and alarms it has recorded to 3M Electronic Monitoring's servers. The call-in intervals are determined by the agency's contract specifications. Examples may be hourly, every six hours, or immediately upon alarm.

Active Mode:

- The standard 1 Piece (Gen 4) call-in interval is once every hour while in compliance.
- The 1 Piece (Gen 4) will call 3M Electronic Monitoring as soon as a violation occurs.

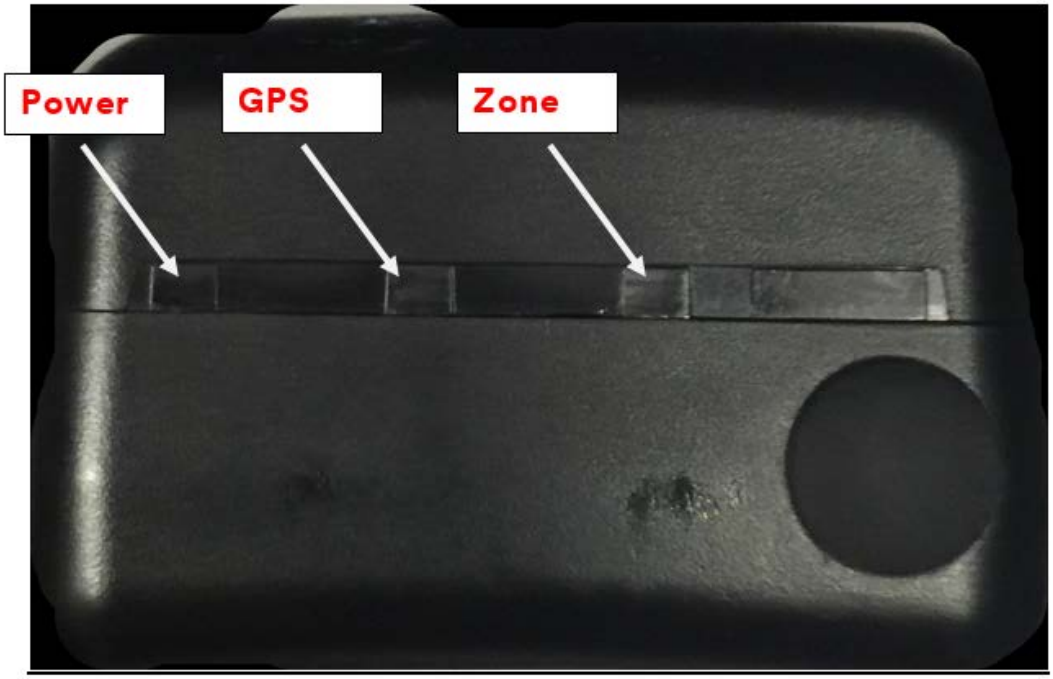
Passive Mode:

- The standard 1 Piece (Gen 4) call-in interval is once every six hours.
- The 1 Piece (Gen 4) will not call 3M Electronic Monitoring when a violation occurs. The officer will only be made aware of violations when they view the GPS maps or the Daily Event Summary Report (DESR) that is emailed to the officer.
- Violations will also be displayed in Case Management and on the Offender Monitor.

1 Piece (Gen 4) Operating Features

LEDs

There are three LEDs on the top of the 1 Piece (Gen 4), identified as Power, GPS, and Zone. The three LEDs work separately and provide the offender with information. The 1 Piece (Gen 4) will vibrate to provide an indication that the offender must look at the LEDs.



1 Piece (Gen 4) Operating Details

LEDs

Power

This LED indicates the condition of the 1 Piece (Gen 4) battery.

Prior to Activation:

Before activating the device, the officer should conduct a battery test. To do this, simply hold down the silver activation button for three seconds and observe the condition of the Battery LED.

- If the "PWR" LED is green, there is a sufficient charge to activate the 1 Piece (Gen 4).
- If the "PWR" LED is red, or does not light up at all, the 1 Piece (Gen 4) needs to be charged.

After Activation:

- If the "PWR" LED is blinking green, there is a sufficient charge.
- If the "PWR" LED is blinking red, the 1 Piece (Gen 4) needs to be charged.

1 Piece (Gen 4) on Charger:

When the 1 Piece (Gen 4) is connected to the charger, the Power LED will be solid (not flashing) green or red.

- If the LED is red: The 1 Piece (Gen 4) is not fully charged and should not be disconnected from the charger
- If the LED is green: The 1 Piece (Gen 4) battery has been completely charged and the charger may be disconnected
- When the 1 Piece (Gen 4) is connected to the charger, it will vibrate once indicating a good connection. When the battery is fully charged, the 1 Piece (Gen 4) will vibrate once indicating that it is okay to remove from the charger.

1 Piece (Gen 4) Operating Details

LEDs

GPS

Officer:

- During activation, the officer will see this LED flashing green in unison with the flashing “Zone” LED.

Offender:

- In normal conditions, the GPS LED will be off.
- The offender will see this LED flashing red to indicate a Motion No GPS warning or violation. When the violation has cleared, the LED will stop blinking.

1 Piece (Gen 4) Operating Details

LEDs

Zone

Officer:

- During activation, the officer will see this LED flashing green in unison with the flashing “GPS” LED.

Offender:

- In normal conditions, the Zone LED will be off.
- The offender will see this LED flashing red to indicate an Inclusion or Exclusion Zone warning and/or violation. When the violation has been cleared, the LED will stop blinking.

Beacon Overview

- Radio Frequency communication with 1 Piece (Gen 4).
- Adjustable ranges: The default range between the Beacon and the 1 Piece (Gen 4) is up to 150 feet (high). The range can be adjusted to medium: up to 100 ft, and low: up to 50 feet. All ranges are approximate and based on environmental conditions.
- 24 Hour Backup Battery.
- Battery backup takes 4 hours to recharge.
- The Power LED indicates that the Beacon is on and functioning properly.
- If the LED is not lit, the device has not received power from a wall outlet for more than twenty-four hours and the backup battery has died. The device must be plugged in immediately.
- Motion Sensor.

Beacon Operating Features

Home/Away Status

When the 1 Piece (Gen 4) is in range of the Beacon, it will start receiving signals from the Beacon and will record a “Home” status. The 1 Piece (Gen 4) will remain in the “Home” status until it is taken out of range of the Beacon.

When the 1 Piece (Gen 4) is taken out of range of the Beacon, it will stop receiving signals from the Beacon. When the 1 Piece (Gen 4) is out of range for five consecutive minutes, it will record an “Away” status.

Note: The “Home” status indicates that the 1 Piece (Gen 4) is within range of the Beacon. The “Away” status indicates that the 1 Piece (Gen 4) is not within range of the Beacon.

GPS Off/No GPS Icons

When the 1 Piece (Gen 4) is within range of the Beacon, in the “Home” Status, for two consecutive minutes, GPS will be turned off. While GPS is turned off, an icon will appear on the EM Manager (Smart View) map in place of the “No GPS” icon. The icon will read “GPS Off.”

GPS will be reacquired when the offender moves out of range of the Beacon for one minute or when a Base Location Un-trusted or A/C Power Loss violation has been generated.

While the offender is in the “Away” status, if the offender loses GPS, the “No GPS” icon will appear on the EM Manager (Smart View) map.

Beacon Operating Features, Cont.

A/C Power Loss/Base Location Un-Trusted

If the A/C Power or the Base Location Un-Trusted violations occur during the “Home” status:

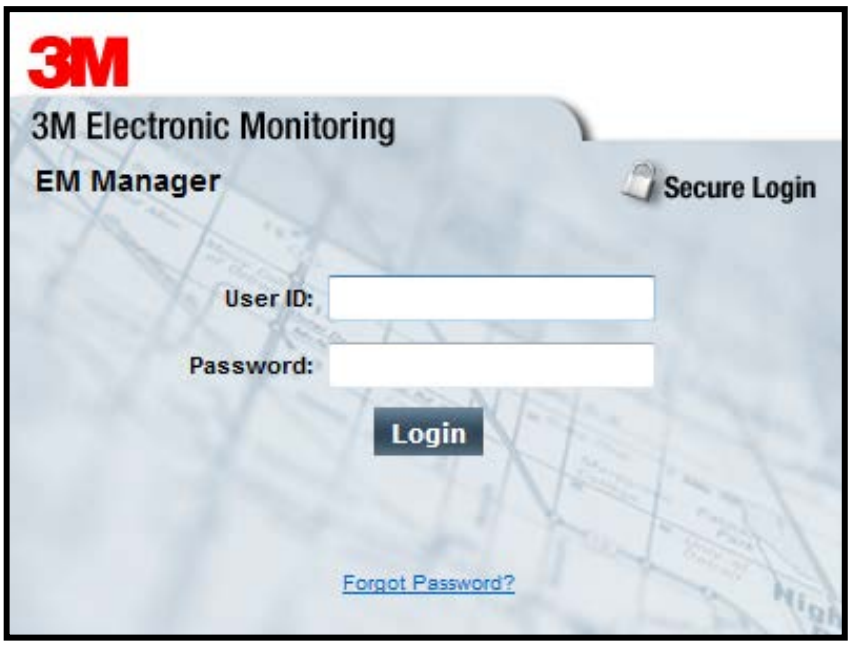
The 1 Piece (Gen 4)’s GPS will turn back on. After 60 minutes, the 1 Piece (Gen 4) will check to see if the violation has been cleared. If the violation has cleared, the GPS will turn off. If the violation has not cleared, the GPS will stay on and the 1 Piece (Gen 4) will continue to check the status of the violation every hour until the violation clears.

Enrollment

EM Manager (Smart View) Log In

To access the secure website, go to https://smartview.ptm.com. You will be required to enter a user ID and password. When using EM Manager (Smart® View) for the first time, you will create your own password. Enter your User ID (often your three initials and last four digits of your social security number), the temporary password that was emailed to you, and click OK. The next screen will tell you that your password has expired. Create your password, (the password you select must contain at least 8 characters), and click OK. You will now be logged into EM Manager (Smart View.)

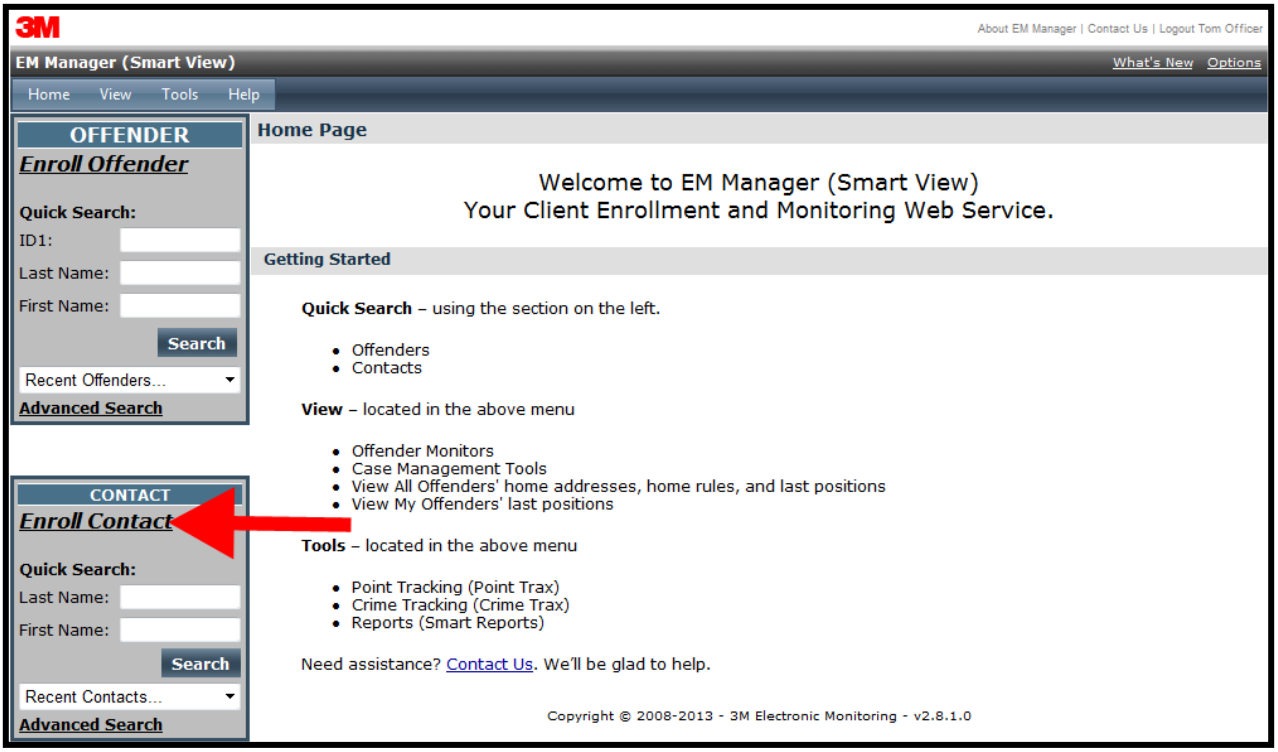
Note: If you forget your password, click the *Forgot your Password* link. A new temporary password will be emailed to you. To create your new password, follow the instructions contained within the email.



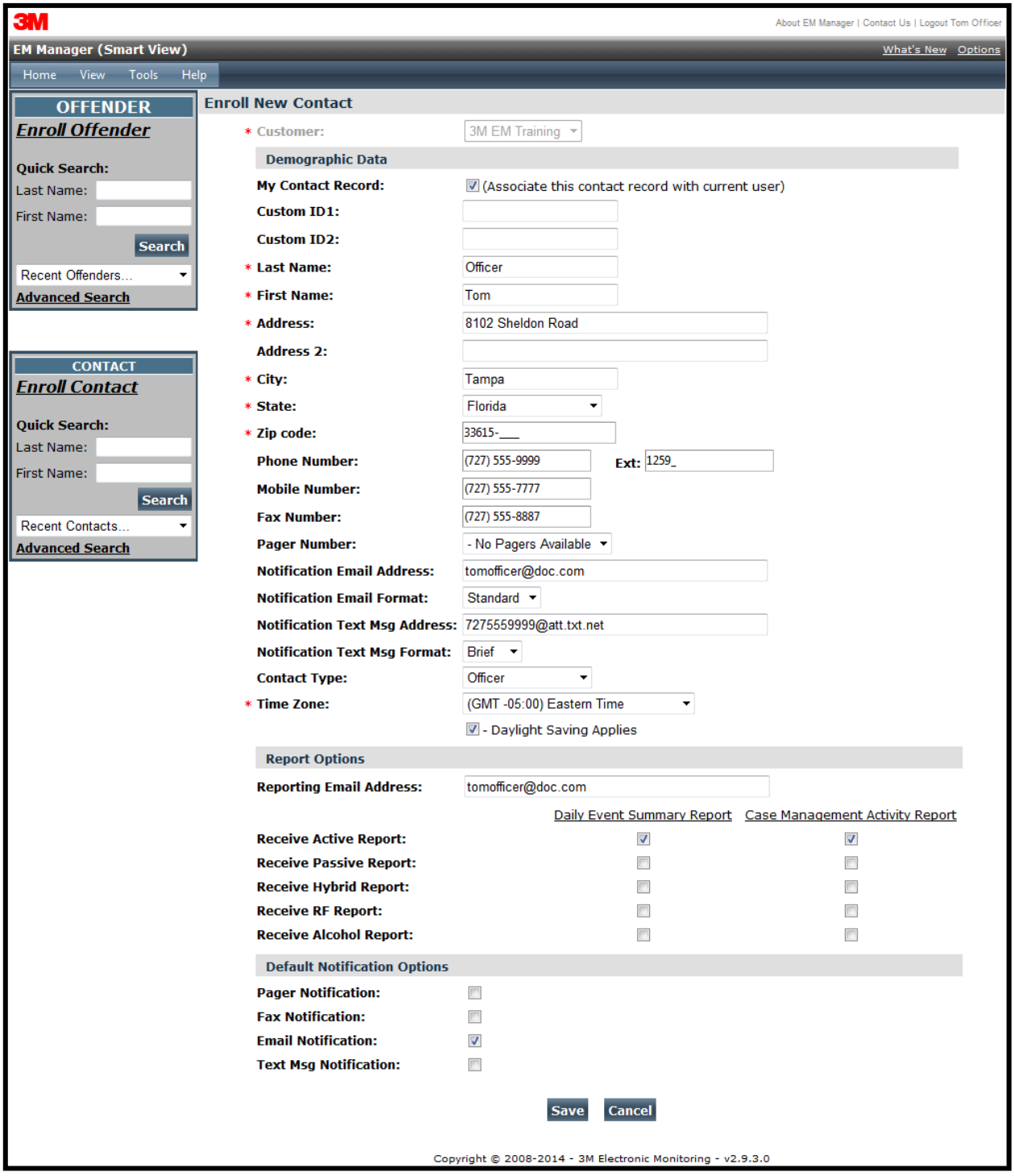
Enroll a Contact

The *Enroll Contact* link is located on the left side of the Home page (see below). It is here that you will enter the officer's information (name, address, phone number, etc.), report types, and default notification settings.

1. Click the *Enroll Contact* link on the left side of the Home page.
2. You will be redirected to the Enroll Contact page (see below). Enter all Contact information.
3. Click Save.



Enroll a Contact, Cont.



Enroll a Contact, Cont.

Demographic Data

1. Enter the Contact's information.
    - All fields with red asterisks (*) are required fields.

Report Options

2. Enter an email address where the selected reports will be sent.
3. Choose Daily Violation Summary Report and/or Case Management Activity Report.

Default Notification Options

4. Select the type of Notification you would like to be your default method. The notification method is dependent upon the information that you enter into the Notification Email or Text Message fields.
    - Pager
    - Fax
    - E-mail
    - Text Message

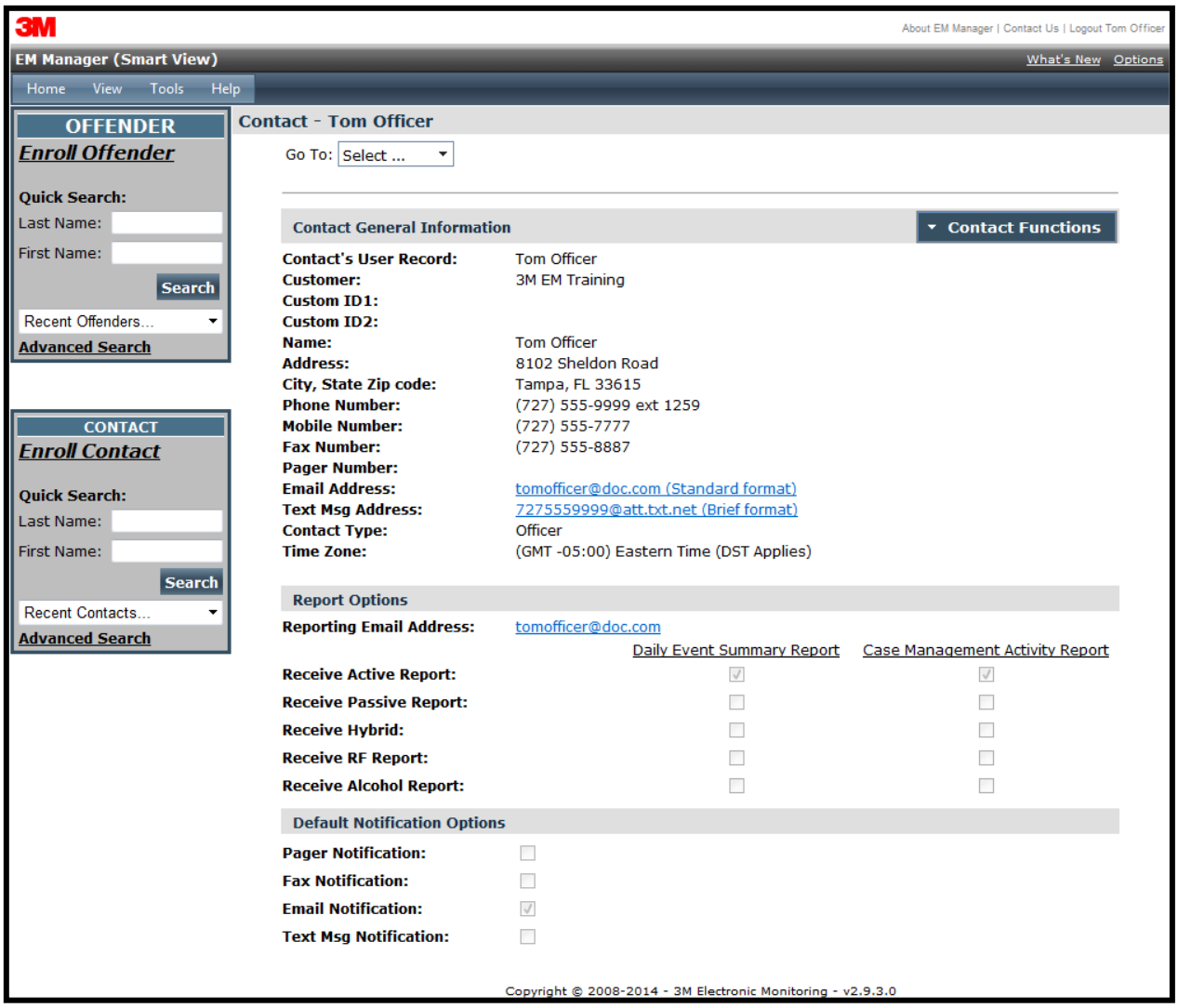
Finish Enrollment

5. When you have completed the form, click Save.

Contact Information Page

When you click Save, you will be taken to the Contact Information page (see below). Here, you can edit the contact information, as well as disable the contact.

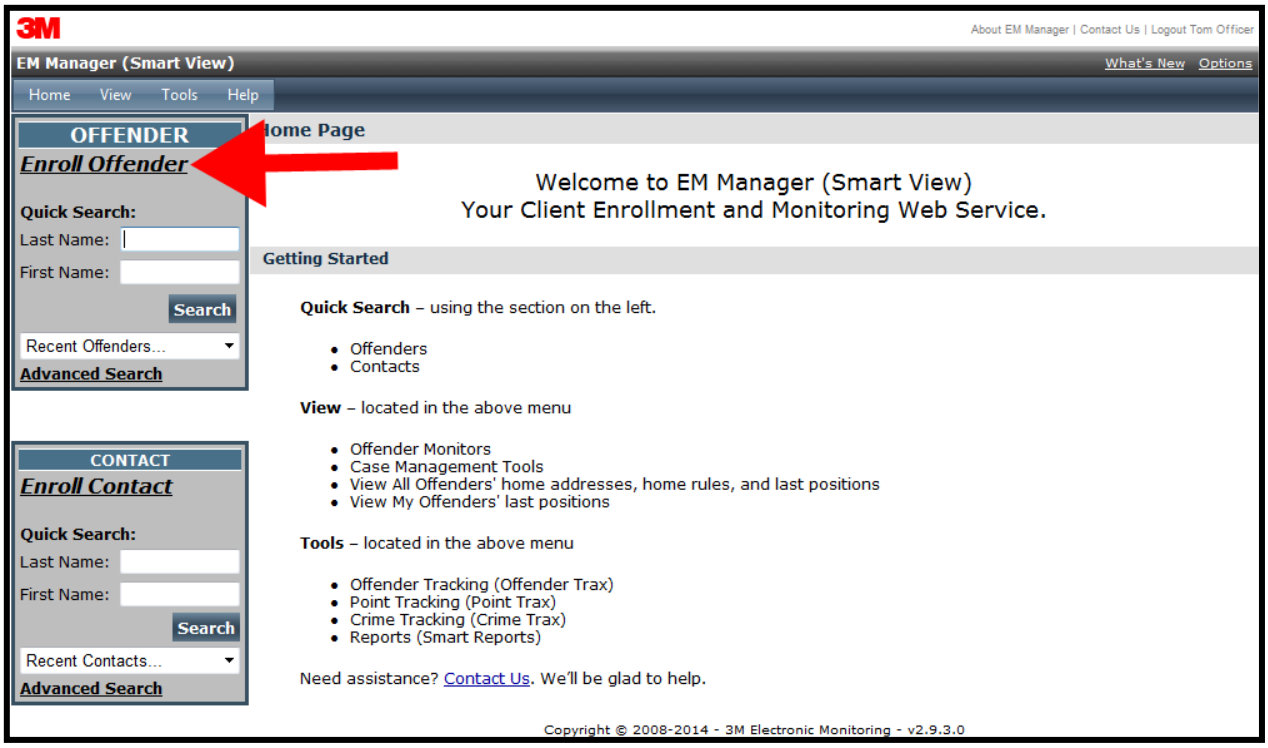
1. To edit the contact information, move your cursor over the Contact Functions menu and left click Edit.
2. To disable the contact, move your cursor over the Contact Functions menu and left click Disable Contact.



Enroll an Offender

The *Enroll Offender* link is located on the left side of the Home page (see below).

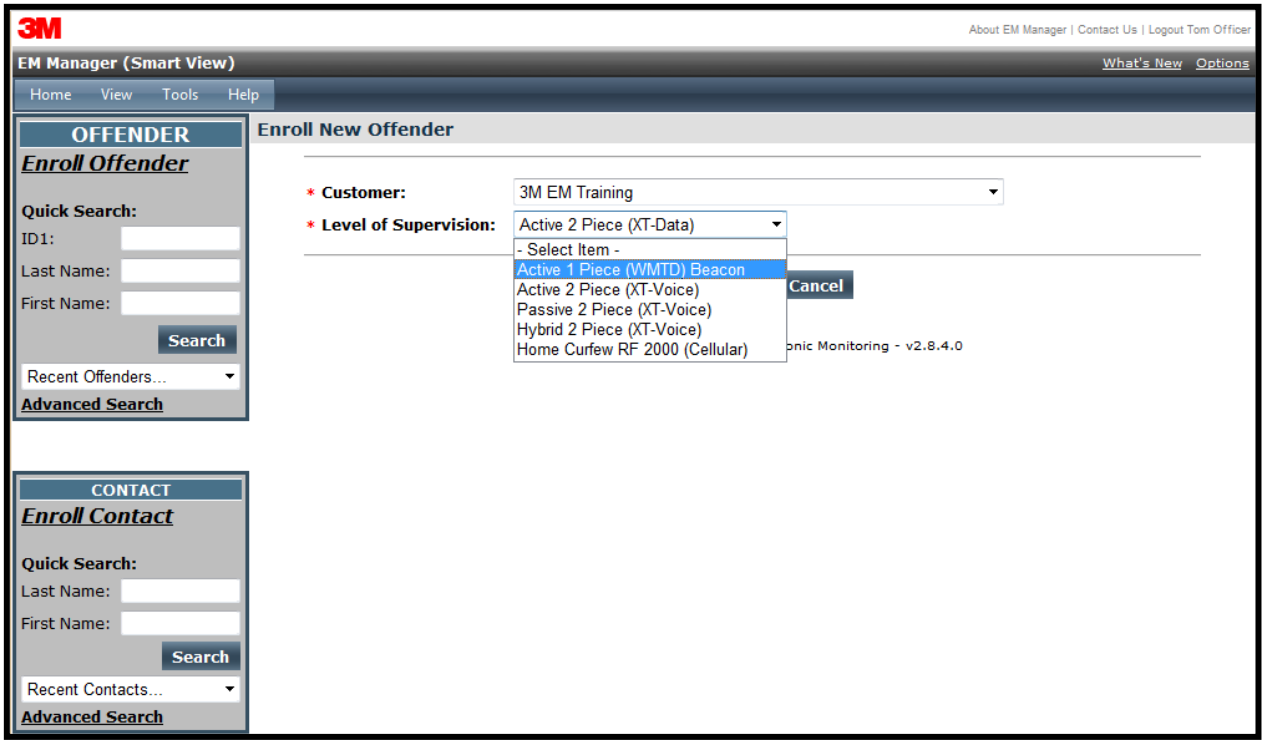
1. Click the *Enroll Offender* link.



Supervision Level

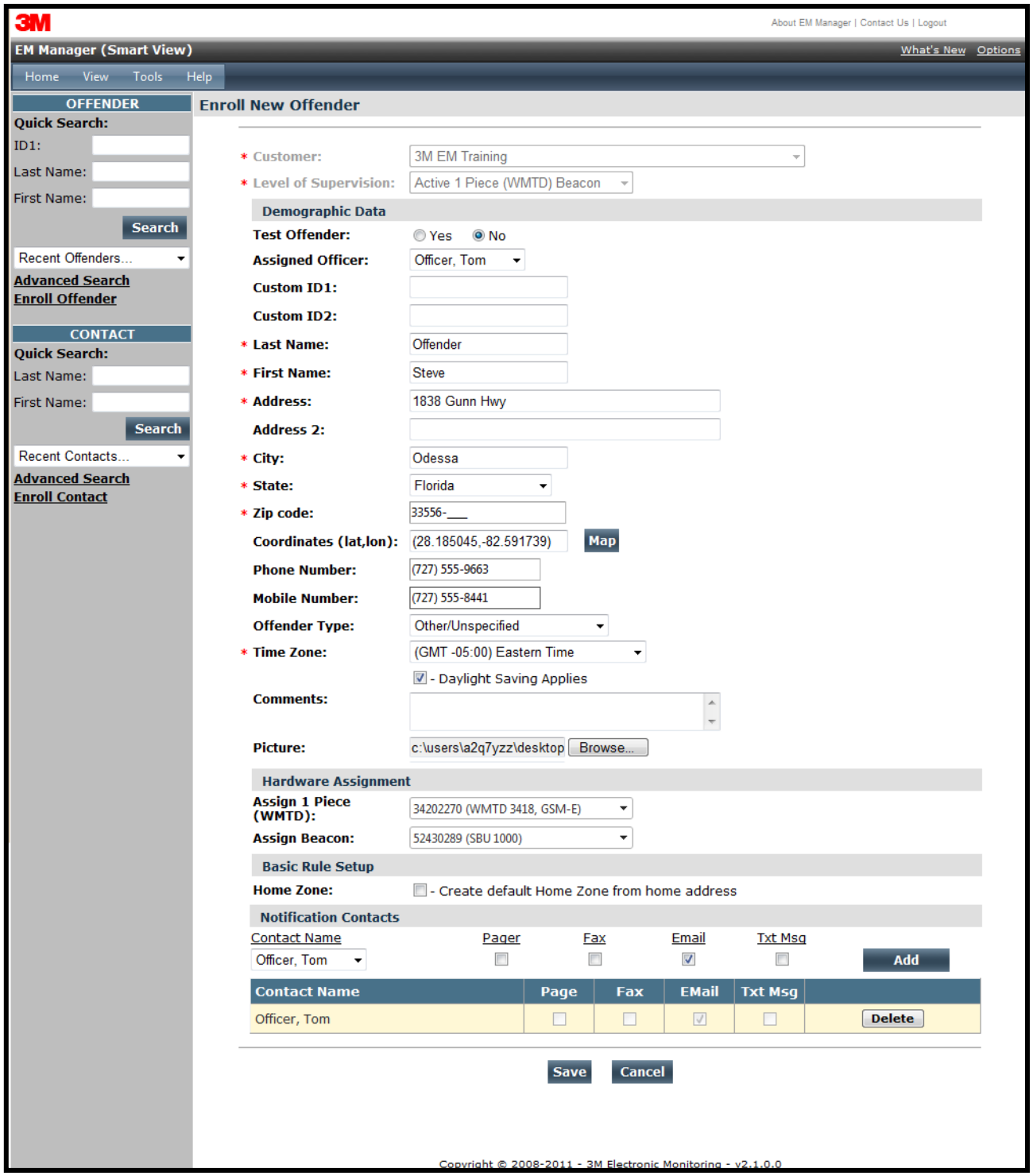
Clicking on the *Enroll Offender* link will redirect you to the Level of Supervision page (see below).

1. Click on the Level of Supervision drop down menu.
2. Select “1 Piece (Gen 4) w/ Beacon” as the Level of Supervision (see below).
3. Click the Continue button.



Offender Enrollment

After selecting the Level of Supervision, you will be redirected to the Enroll Offender page (see below). It is here that you will select an Assigned Officer, enter the Offender's Information, select the Notification Contact and Method, Assign Hardware, and select the Basic Rule Setup.



Offender Enrollment, Cont.

Demographic Data

1. Enter the Offender's Information.
    - All fields with red asterisks (*) are required fields
2. Click the Map button to geo-code the offender's address.
3. Select the Offender Type.
4. Select the Time Zone.

Hardware Assignment

5. Locate the serial number on the device(s).
6. Click on the drop down menu and select that serial number for the device.

Basic Rule Setup

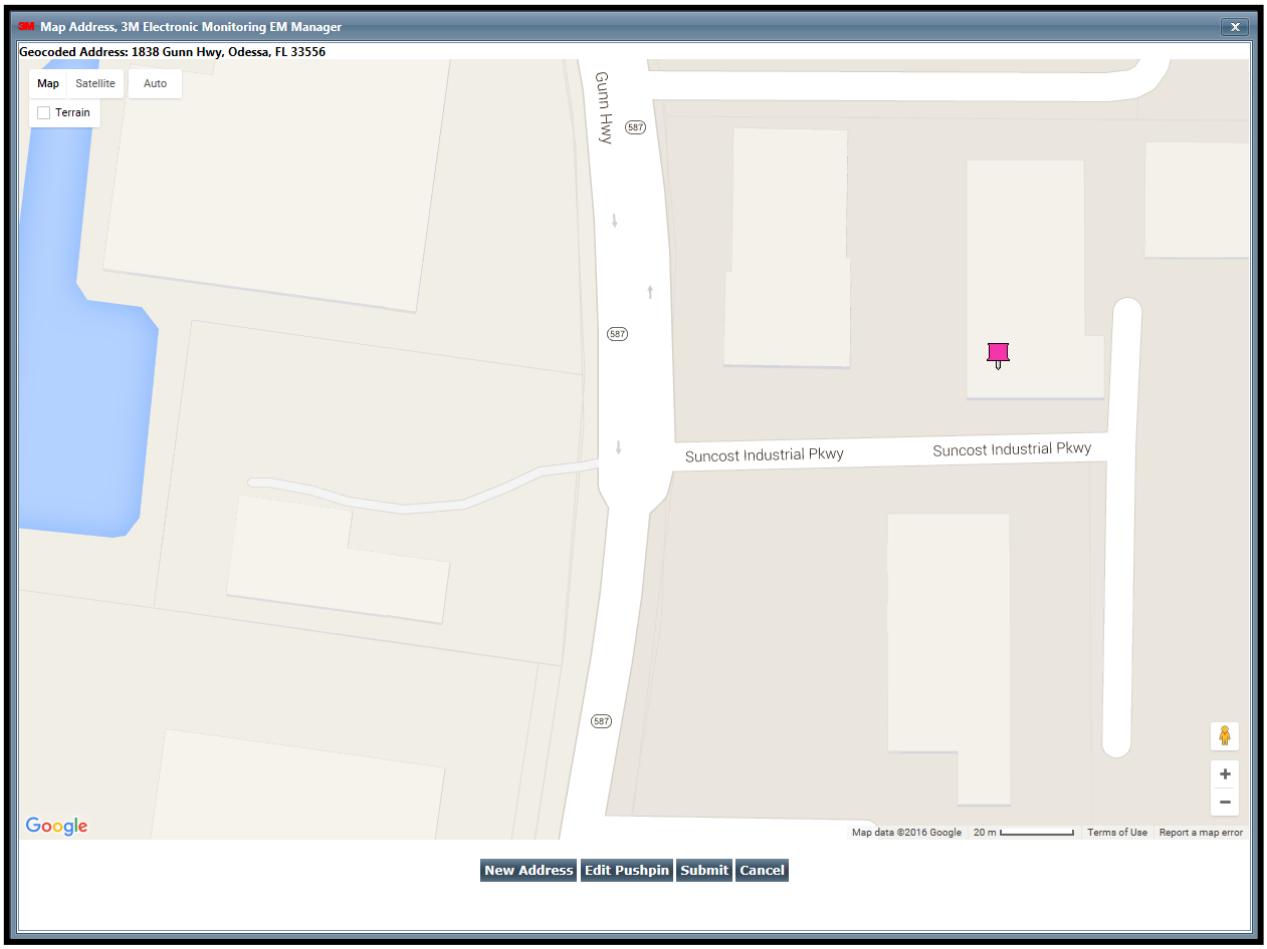
7. Do NOT check the box next to Home Zone in the Basic Rule Set Up. No home zone is needed if a Beacon is being utilized.
8. Choose the appropriate Contact from the Notification Contact drop down list. The selected Contact will be notified for all rules.
9. Click the Add button.
10. Select the type of Notification (if you haven't chosen your Default Notification Method on your Contact record)
    - Pager
    - Fax
    - E-mail
    - Text Message

Finish Enrollment

11. When you have completed entering the information, click Save.

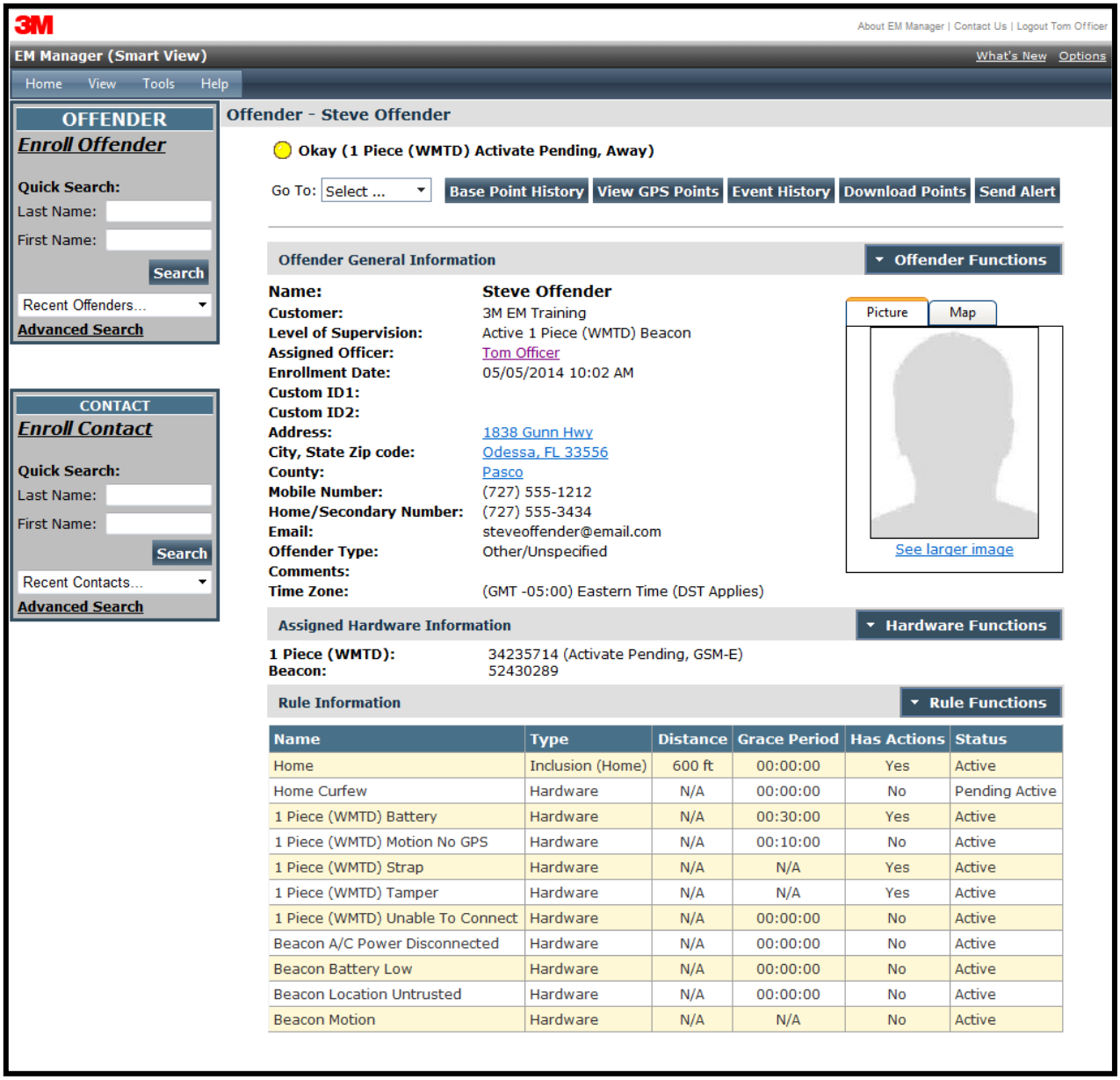
Map Offender's Address

Clicking the Map button on the Offender Enrollment screen will generate a map that displays a pushpin at the offender's residence. Ensure that the pushpin location is correct and click the Submit button. It is also possible to edit the location by clicking the Edit Pushpin button.



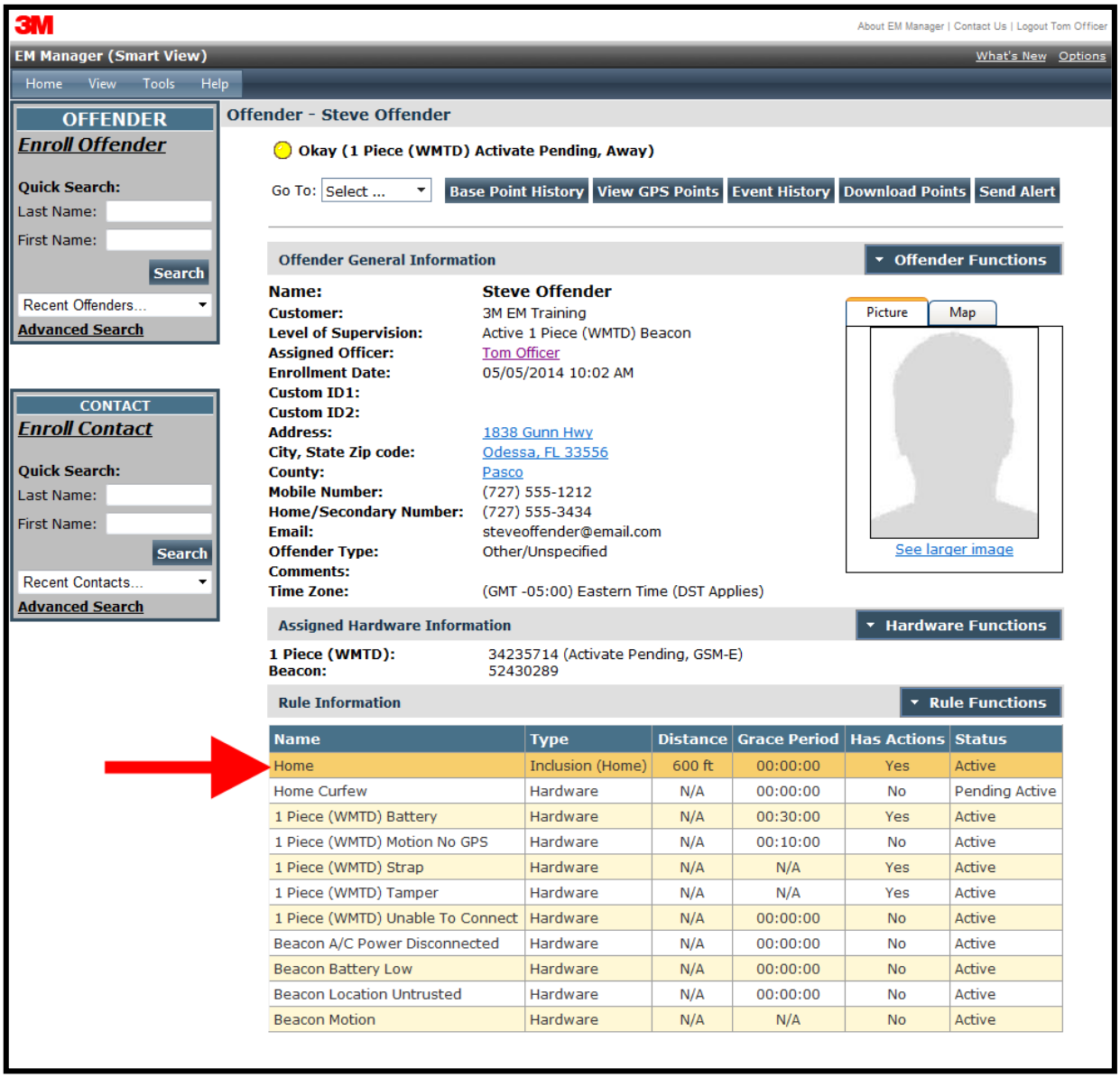
Offender General Information Page

When Enrollment has been completed, you will be redirected to the Offender General Information page (see below). Here, you can Edit Offender Information, Disable the Offender, View GPS Points, Unassign Hardware, Edit Rules, Send Alerts, and Download Points.



Create Schedule for Home Curfew

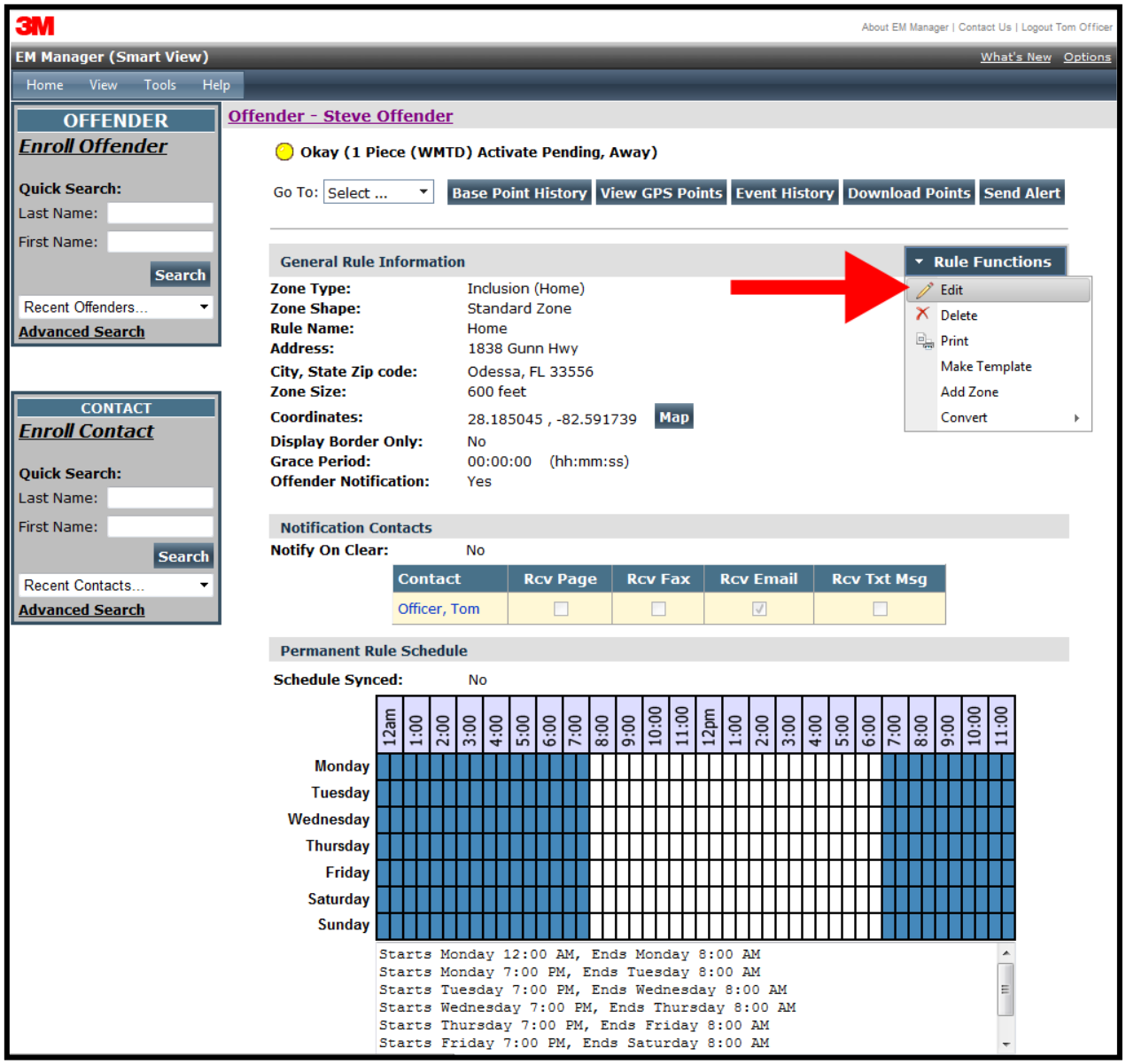
1. Click on the Home Curfew Rule (see below).



Name	Type	Distance	Grace Period	Has Actions	Status
Home	Inclusion (Home)	600 ft	00:00:00	Yes	Active
Home Curfew	Hardware	N/A	00:00:00	No	Pending Active
1 Piece (WMTD) Battery	Hardware	N/A	00:30:00	Yes	Active
1 Piece (WMTD) Motion No GPS	Hardware	N/A	00:10:00	No	Active
1 Piece (WMTD) Strap	Hardware	N/A	N/A	Yes	Active
1 Piece (WMTD) Tamper	Hardware	N/A	N/A	Yes	Active
1 Piece (WMTD) Unable To Connect	Hardware	N/A	00:00:00	No	Active
Beacon A/C Power Disconnected	Hardware	N/A	00:00:00	No	Active
Beacon Battery Low	Hardware	N/A	00:00:00	No	Active
Beacon Location Untrusted	Hardware	N/A	00:00:00	No	Active
Beacon Motion	Hardware	N/A	N/A	No	Active

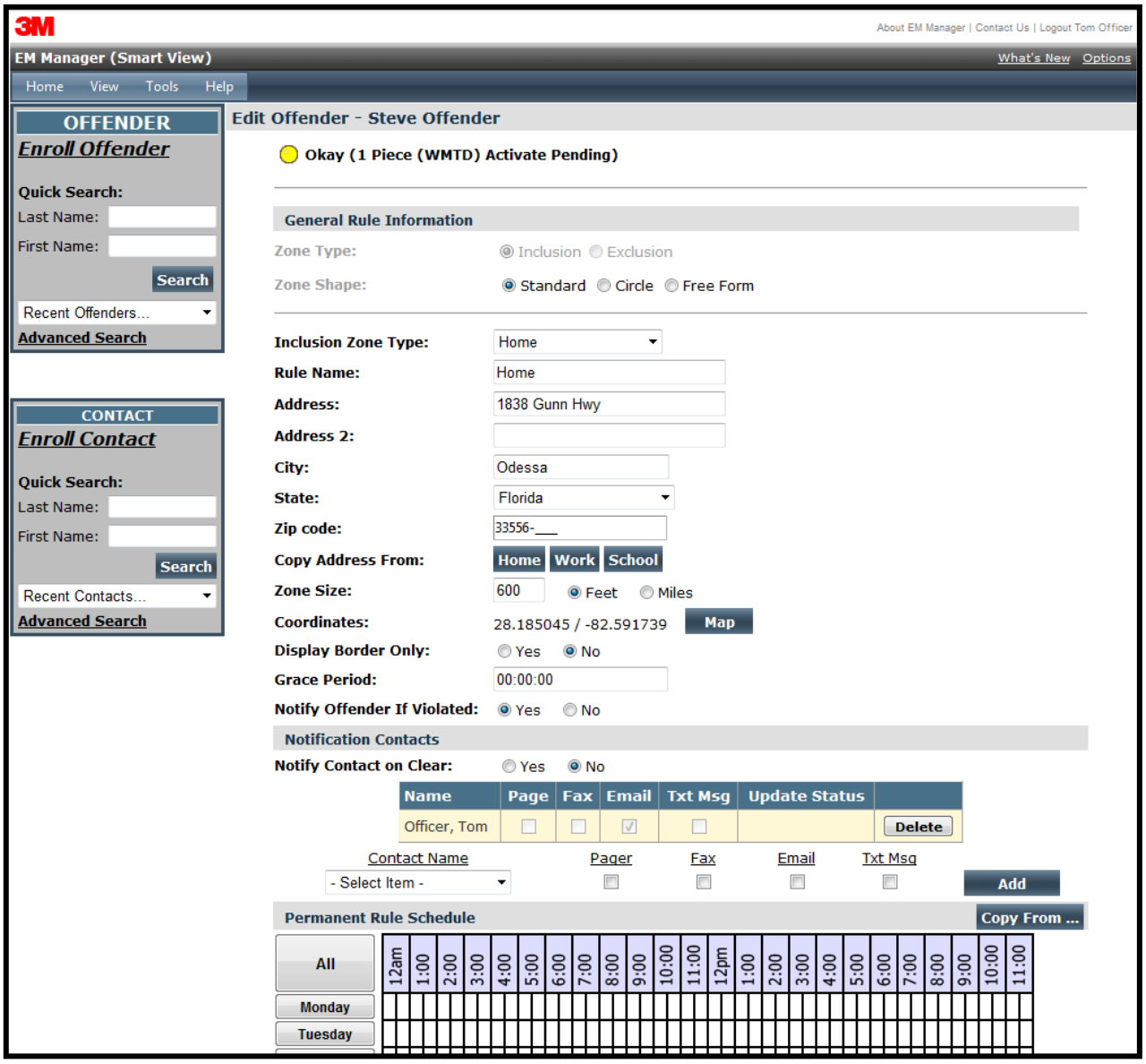
Create Schedule for Home Curfew, Cont.

2. Move your cursor over the Rule Functions menu and left click Edit.



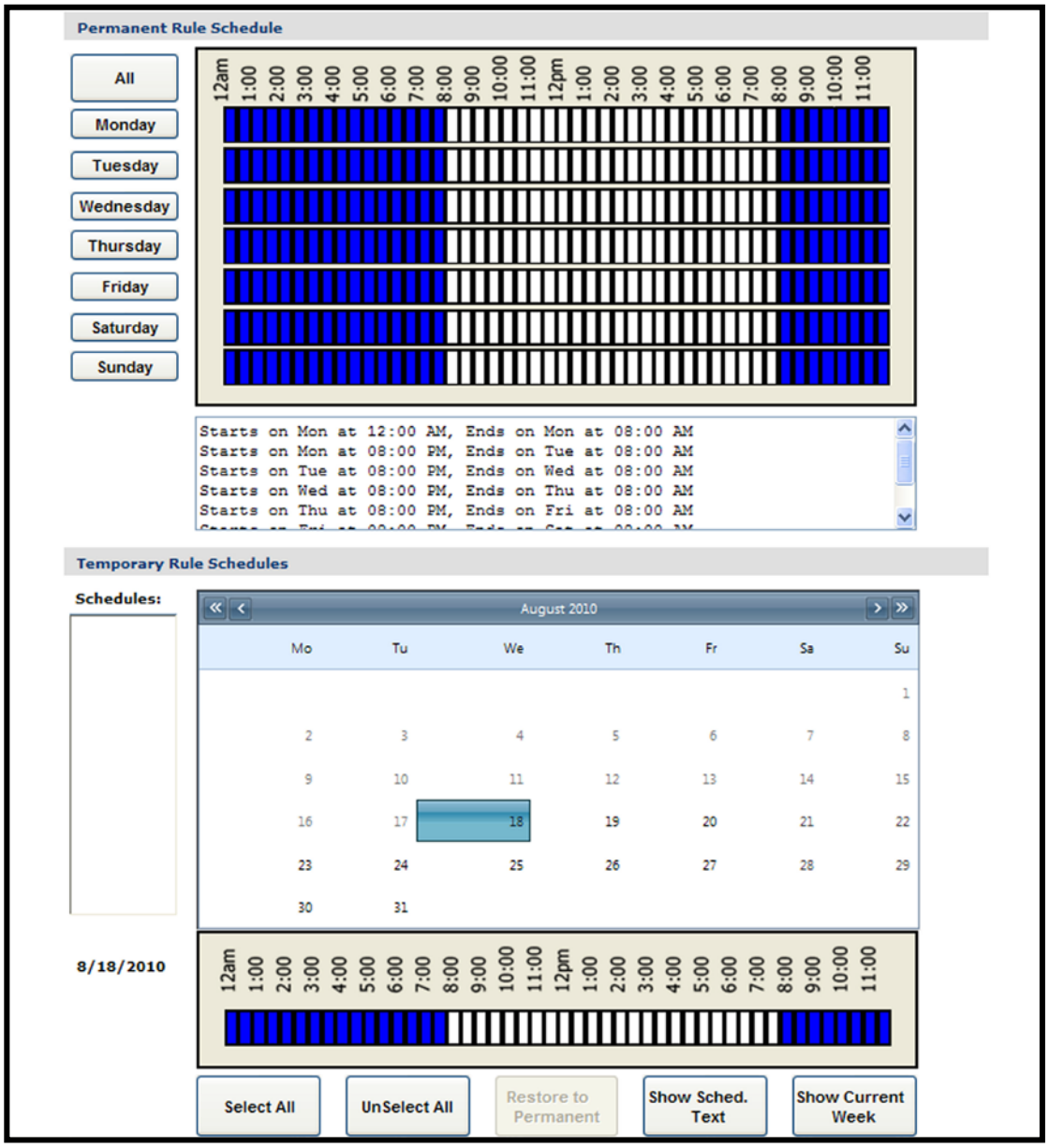
Create Schedule for Home Curfew, Cont.

3. You will be redirected to the Edit Rule page. Scroll down to the Permanent Rule Schedule.



Create Schedule for Home Curfew, Cont.

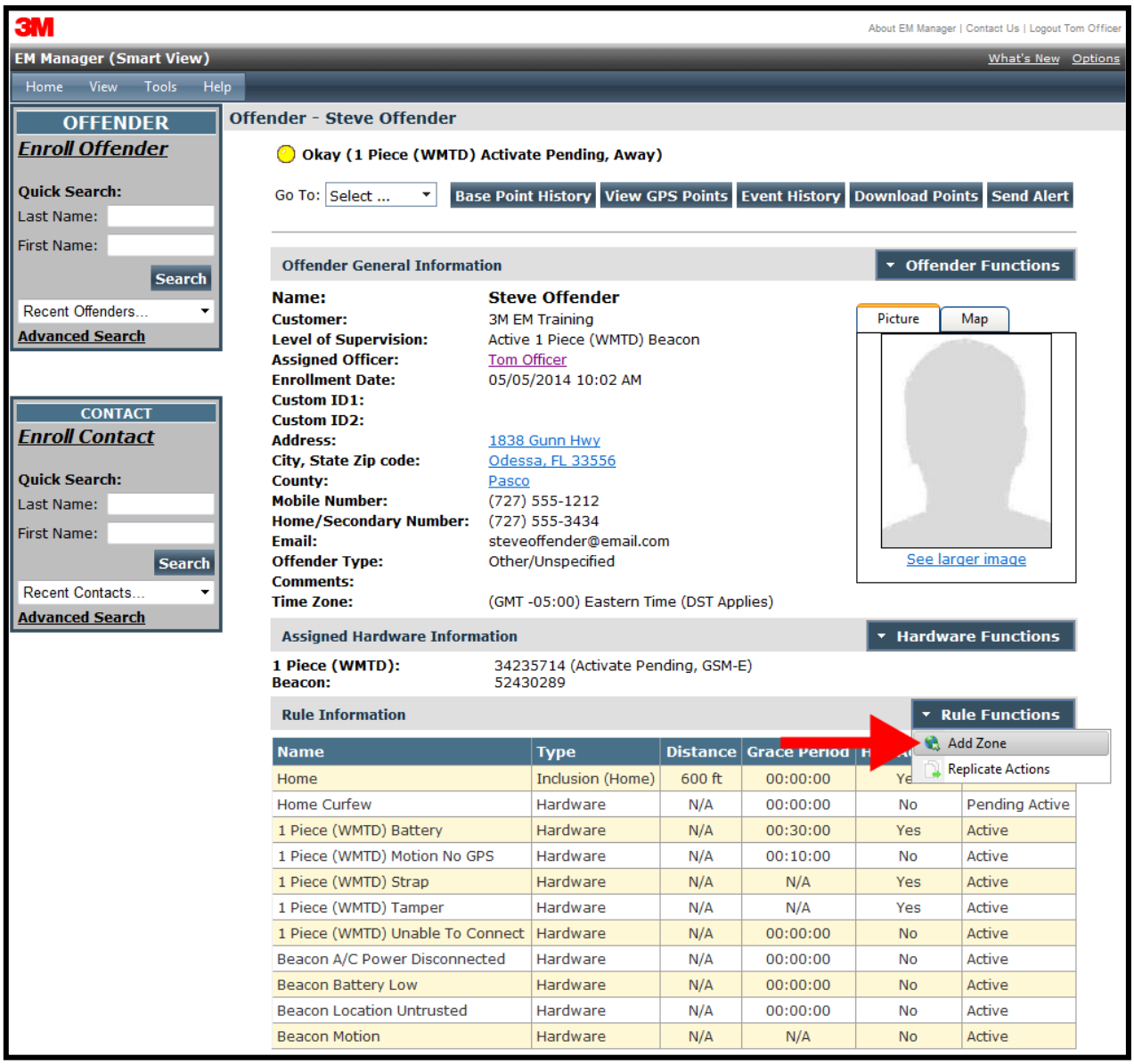
4. Each block represents a 30 minute increment of time. Left-click and drag the cursor along the blocks during the times that the offender is required to be home. As you move the cursor, the blocks will turn blue. The white blocks that remain equal the times that the offender is allowed to be out of the home (see below).
5. Click the Save button.



Create Exclusion Zone

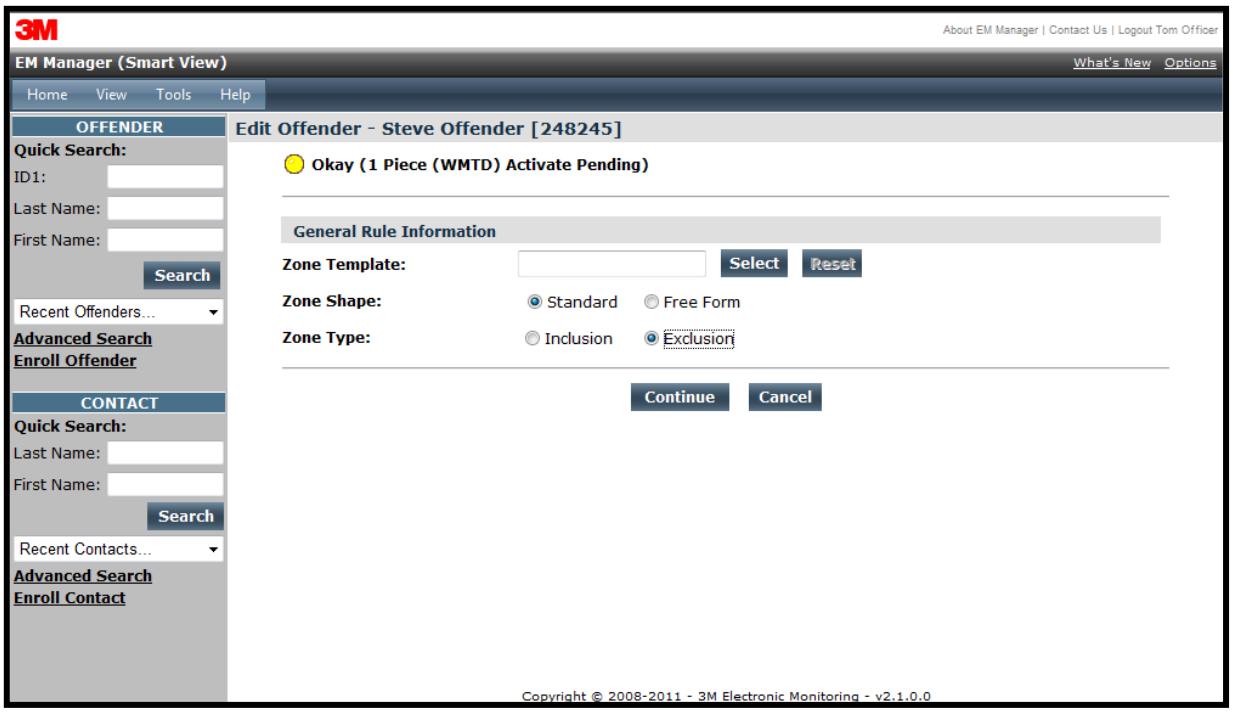
You can create an Exclusion Rule to ensure that the offender is not entering areas which are forbidden – such as schools, playgrounds, and victims' residences.

1. Move your cursor over the Rule Functions menu (see below).
2. Left click Add Zone.



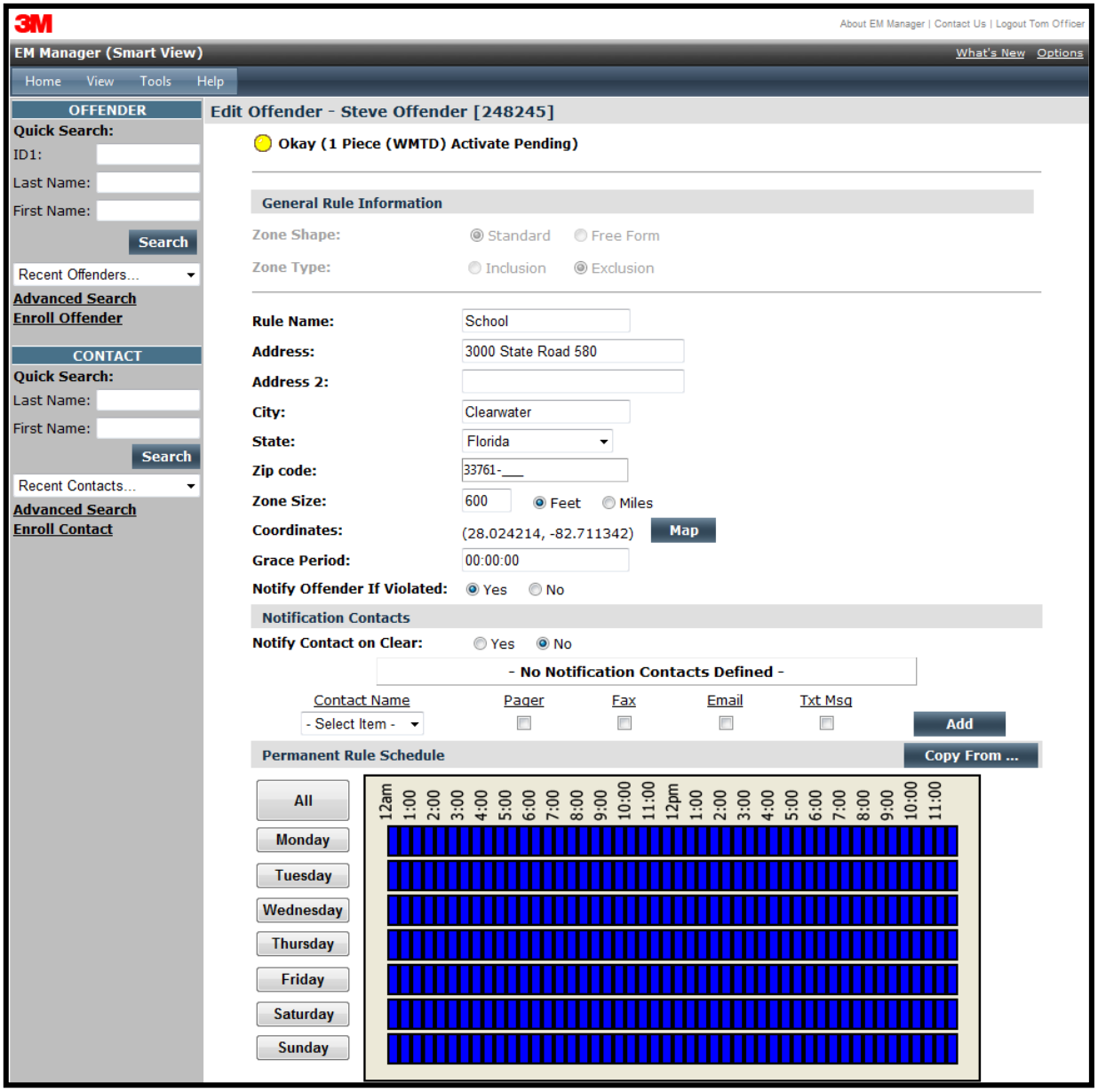
Create Exclusion Zone, Cont.

3. Choose a Zone Shape.
4. Choose Exclusion as the Zone Type.
5. Click the Continue button.



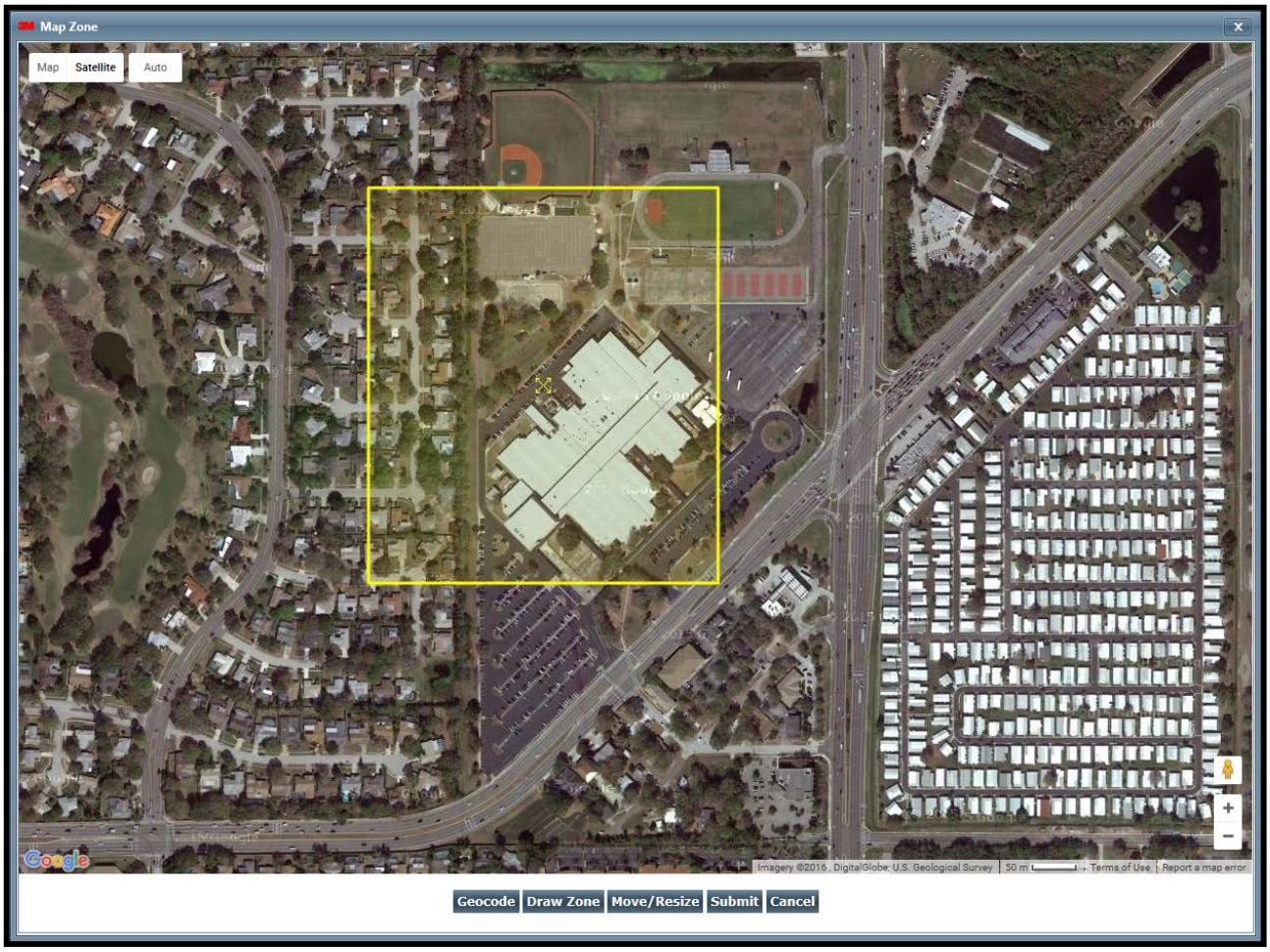
Create Exclusion Zone, Cont.

6. Enter the Rule Name (school, playground, etc.).
7. Enter the address information and the zone size. The default is 600 ft.
8. Select *Yes* or *No* if you want to notify the offender upon violation.
9. Choose the appropriate Contact from the Notification Contact drop down list. The contact's default notification method will appear selected.
10. Click the Add button.
11. Click the Map button.



Create Exclusion Zone, Cont.

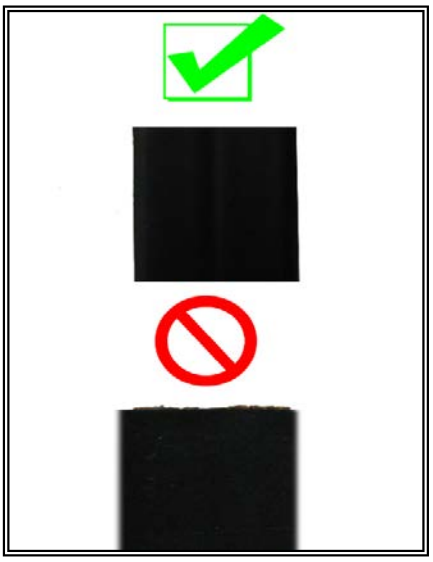
12. Ensure that the address and zone size is correct.
13. If you want to resize or move the zone, click the Move/Resize button.
14. If you move or resize the zone, click the Finish Move/Resize button.
15. Click the Submit button.



Attaching the (Gen 4)

Step 1:

Place your four fingers on the finger grip and your palm on the palm grip.



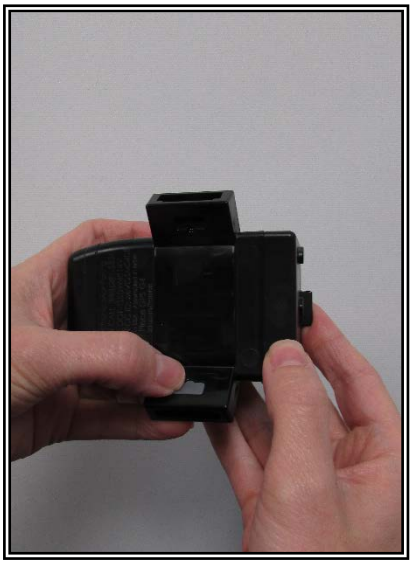
Step 2:

Examine both ends of the strap to ensure that the strap has been cut evenly. If the strap has been cut at an angle or the copper/fiber optic cable is protruding, proceed with step 3. If both ends of the strap are cut evenly and there is no visible protrusion, proceed with step 4.

Step 3:

Spread the handles of the strap installation tool and insert the uneven end of the strap into the measuring slot. Push the strap in until the edge of the strap is at the edge of the slot (see above).
Squeeze the handles together to cut the end of the strap.
Keep the handles together, tilt the strap installation tool, and tap out the cut piece of strap.

Attaching the (Gen 4), Cont.



Step 4:

Push the tamper plugs into the back brackets of the device. Be sure to enter the right side first. After the right side has been secured, repeat the process on the left side.

Step 5:

Spread the handles of the strap installation tool and insert the pin tray into the slot located on the handle (see above). Push the pin tray in until it stops.

Note: The metal pins should be facing up and the silicone plug should be under the lip of the slot.

Attaching the (Gen 4), Cont.

Step 6:

Lay the strap installation tool in the palm of your hand. Place the strap over the pin tray and ensure that the end of the strap is touching the lip of the pin tray slot.

Step 7:

Squeeze the handles together until the strap is firmly attached to the pin tray.

Step 8:

Examine the end of the strap to ensure that the edge is even with the silicone plug and that no gaps are visible.

Attaching the (Gen 4), Cont.

Step 9:

Insert the strap and pin tray into the second pin tray slot location on the top of the strap installation tool.

Step 10:

Place the tool on the offender's ankle.

Note: Ensure that the strap is at the front or the back of the leg.

Step 11:

Insert the free end of the strap into the strap slot (see above) and push it through to the other side.

Left-handed users: Use your right hand to hold the strap installation tool and your left hand to insert the strap into the measuring slot.

Attaching the (Gen 4), Cont.

Step 12:

Allow approximately half an inch between the strap and the offender's leg. This can be done by inserting two fingertips until the first knuckles are under the strap.

Left-handed users: Hold the strap installation tool with your left hand and use the fingertips of your right hand to measure the half inch spacing.

Step 13:

Cut the strap by squeezing the two handles of the strap installation tool firmly.

Step 14:

Spread the handles of the strap installation tool and insert the second pin tray into the slot located on the handle (see above). Push the pin tray in until it stops.

Note: The metal pins should be facing up and the silicone plug should be under the lip of the slot.

Attaching the (Gen 4), Cont.

Step 15:

Lay the strap installation tool in the palm of your hand. Place the strap over the pin tray and ensure that the end of the strap is touching the lip of the pin tray slot.

Note: Ensure that both pin trays are on the same side of the strap.

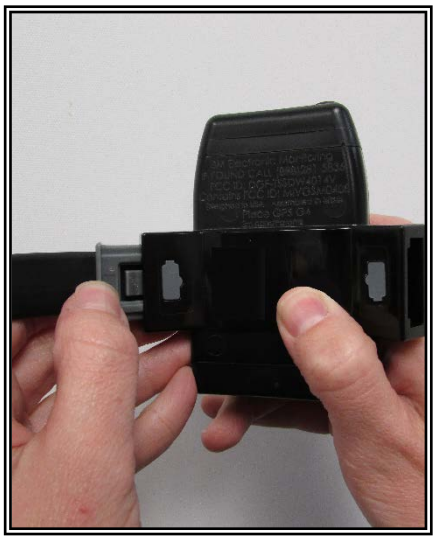
Step 16:

Squeeze the handles firmly together until the strap is firmly attached to the pin tray.

Step 17:

Examine the end of the strap to ensure that the edge is even with the silicone plug and that no gaps are visible.

Attaching the (Gen 4), Cont.

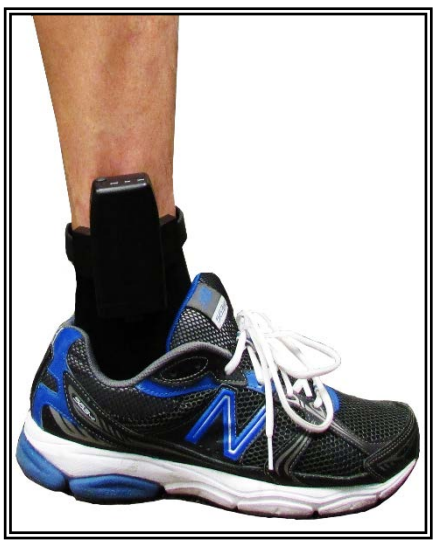


Step 18:

Insert one end of the strap, with attached pin tray, into the bracket.

Step 19:

Place the device on the offender's leg – just above the ankle bone.



Step 20:

Wrap the strap around the offender's ankle and insert the other end of the strap and pin tray into the remaining bracket until it snaps in place. Pull on the strap to ensure that the device is secured to the offender's ankle.

Attaching the (Gen 4), Cont.

Step 21:

Plug the Beacon's attached A/C adapter into a wall outlet. Be sure to place the Beacon on a hard surface in an area where it will not be moved frequently. Unnecessary movement will likely trigger one or more violations.

Activating the 1 Piece (Gen 4), Cont.

Step 11:

Press and hold the Activate Button on the top of the 1 Piece (Gen 4) for three seconds.

A. The 1 Piece (Gen 4) will vibrate once and the "PWR" LED will begin to blink green, indicating the 1 Piece (Gen 4) is powered on.

B. The "GPS" and "ZONE" LED's will blink green once every second. This indicates that the 1 Piece (Gen 4) is attempting to make a wireless call.

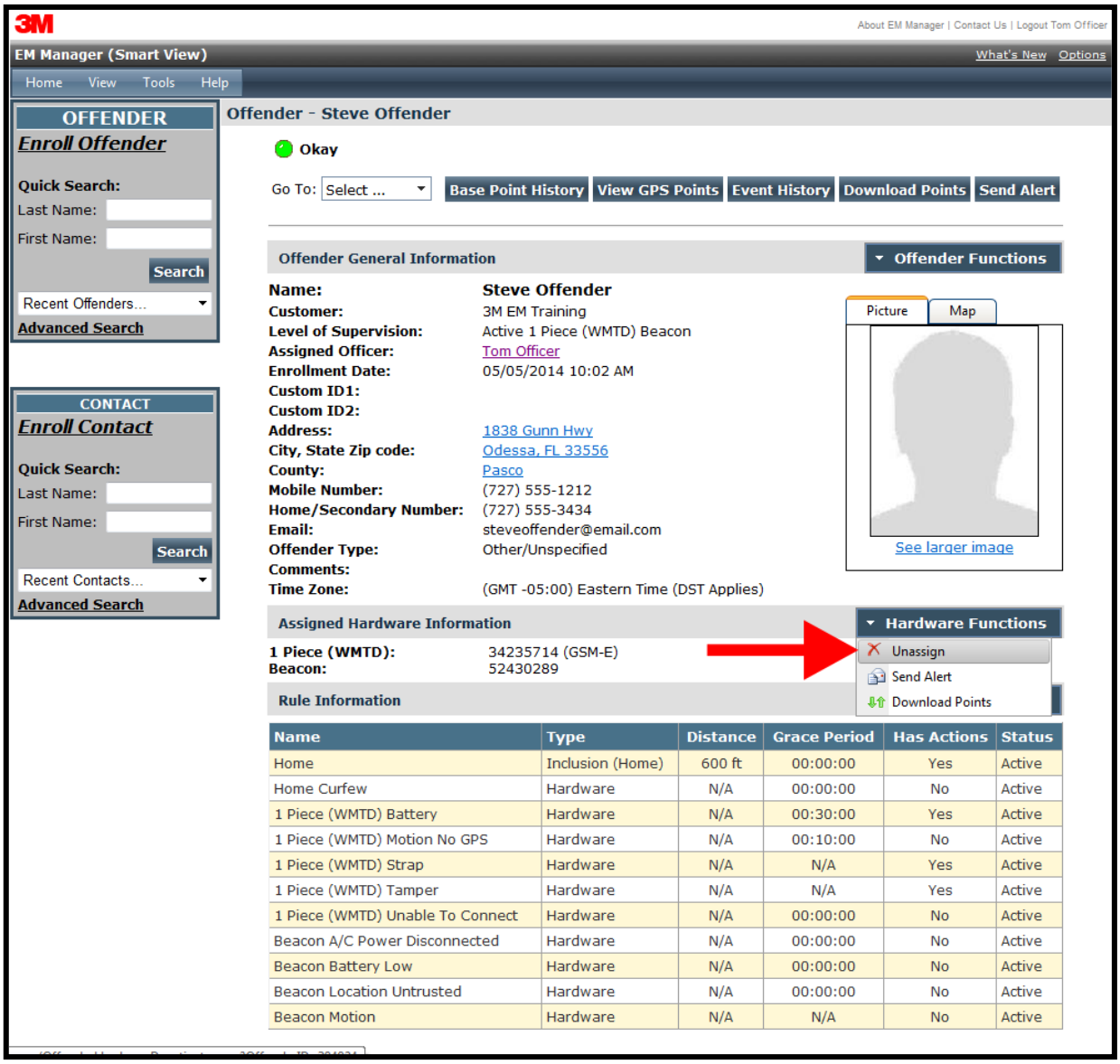
C. The "GPS" and "ZONE" LEDs will blink green twice every second. This indicates that the 1 Piece (Gen 4) is attempting to acquire GPS. The 1 Piece (Gen 4) must now be taken outside to acquire GPS.

D. The "GPS" and "ZONE" LED's will then blink green three times every second. This indicates that the 1 Piece (Gen 4) is attempting to communicate with the Beacon. The offender will be required to move in range of the Beacon in order to complete the activation process. The 1 Piece (Gen 4) will vibrate 3 times when activation is complete.

Note: If no Beacon is present, it will still be possible to activate the 1 Piece (Gen 4) by holding down the activation button for approximately five seconds while the "GPS" and "ZONE" LEDs blink three times. The 1 Piece (Gen 4) will vibrate 3 times when activation is complete.

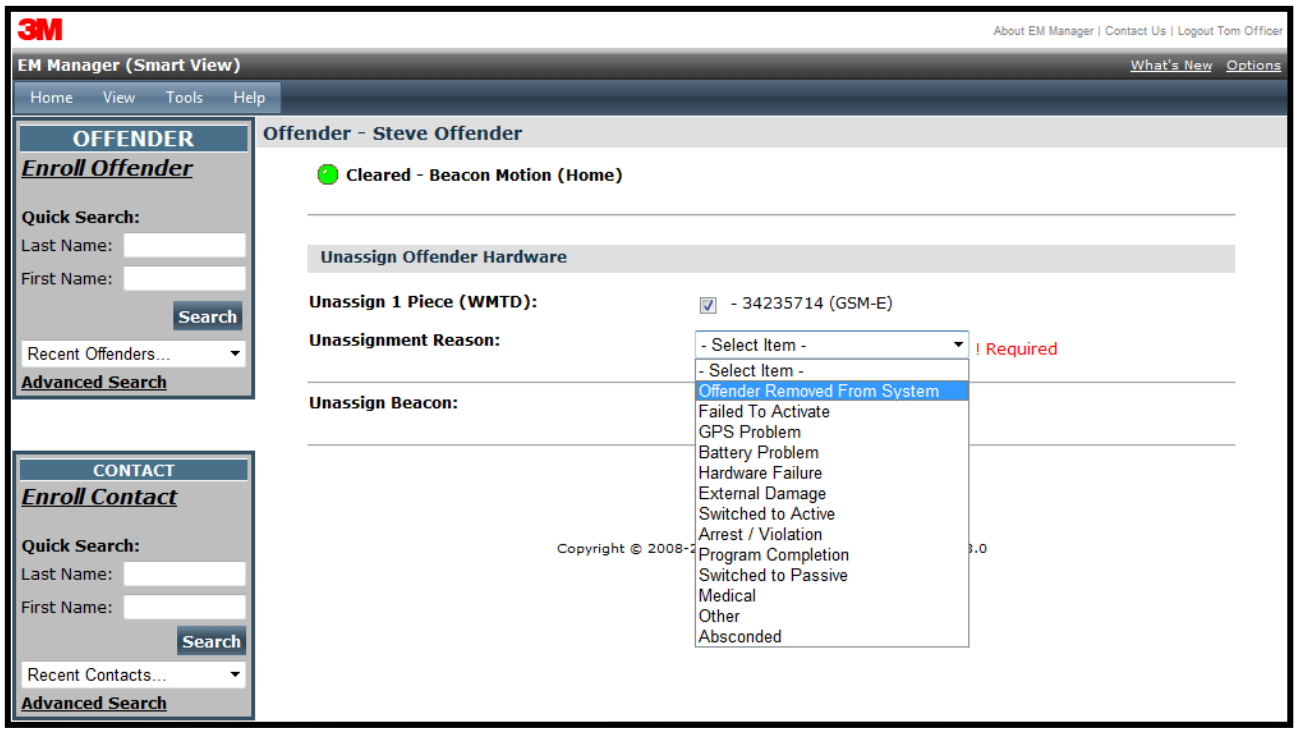
Unassigning Hardware

1. Move your cursor over the Hardware Functions menu and left click Unassign.



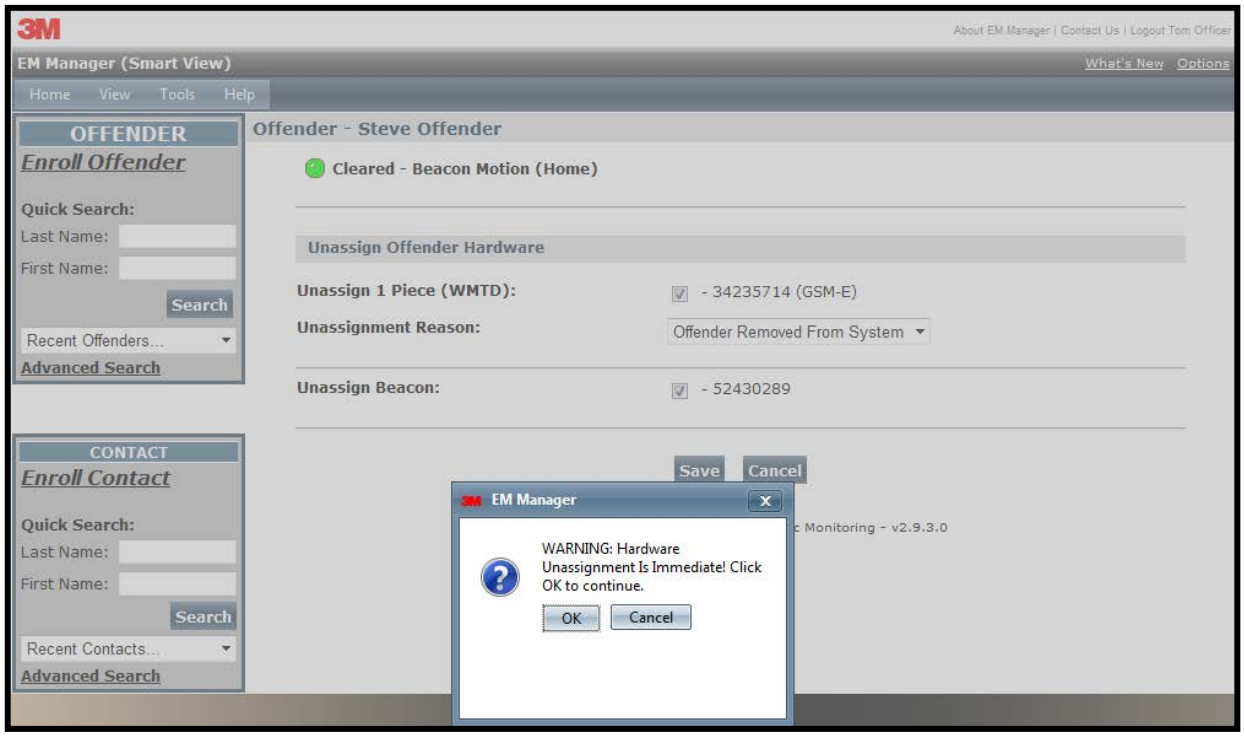
Unassigning Hardware, Cont.

2. Click the checkbox next to the 1 Piece (Gen 4) and Beacon (see below).
3. Click on the drop-down menu and select an Unassignment Reason. This is required.



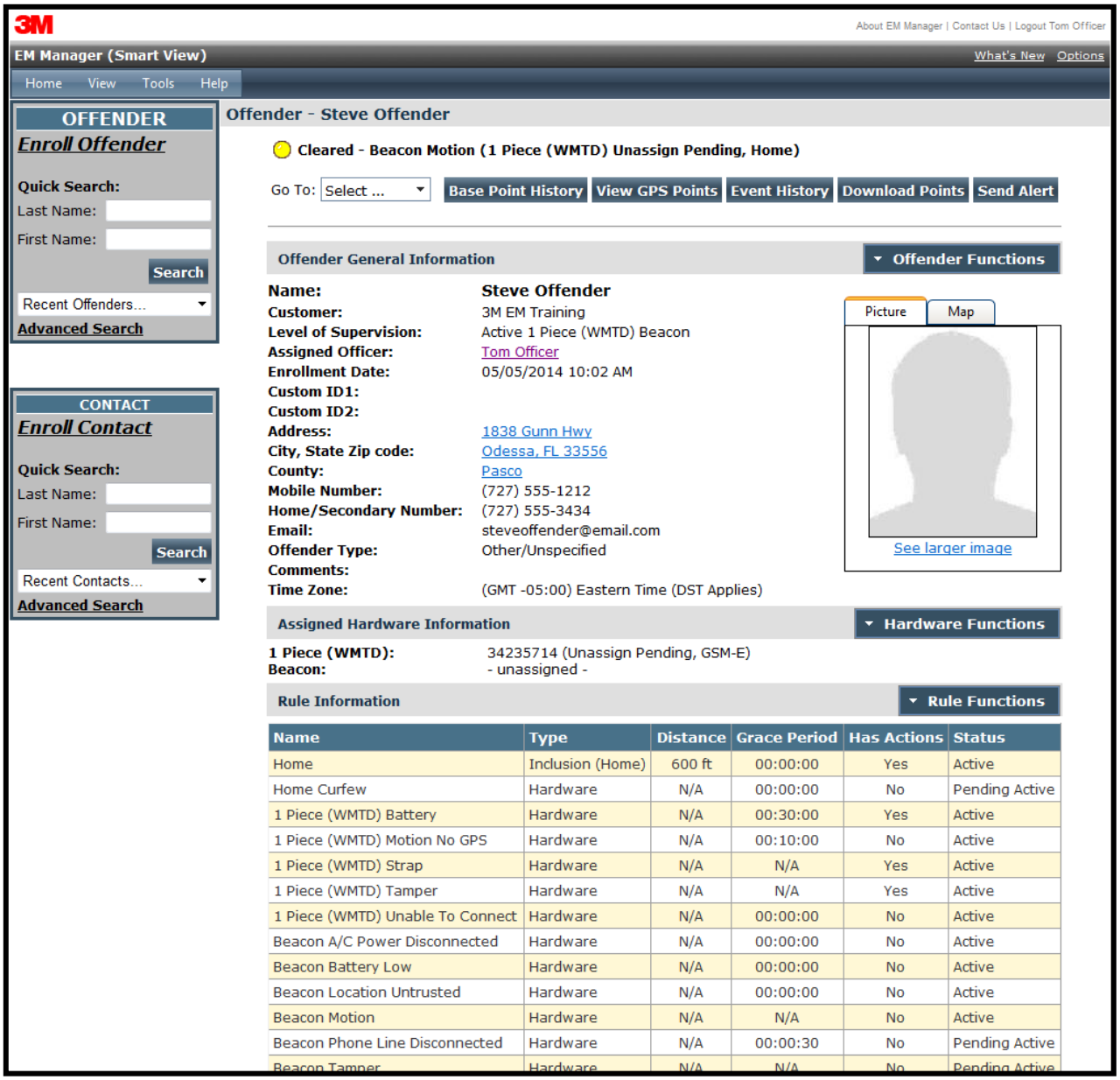
Unassign Hardware, Cont.

4. Click the Save button. A popup will generate with a warning that the unassignment is immediate.
5. Click OK.



Unassign Hardware, Cont.

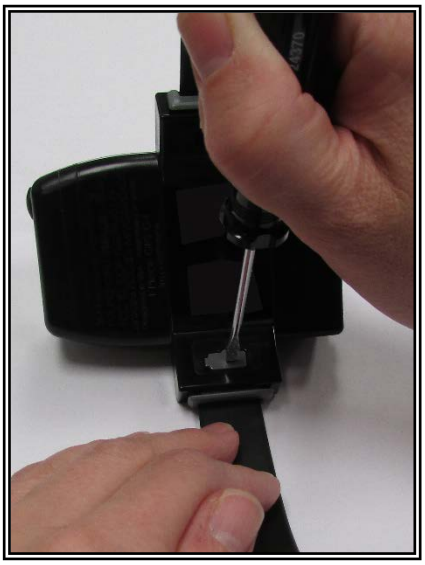
6. You will be returned to the Offender Information page, where the Beacon will be unassigned and the 1 Piece (Gen 4) will be pending unassignment. The 1 Piece (Gen 4) is now required to call 3M Electronic Monitoring and transmit its final data. It will only be unassigned once this final call has occurred.



Removing the (Gen 4)

Step 1:

Spread the handles of the strap installation tool and cut the strap by sliding the tool upwards until the strap is positioned inside the strap removal slot (see above). Squeeze the handles firmly until the strap is cut.



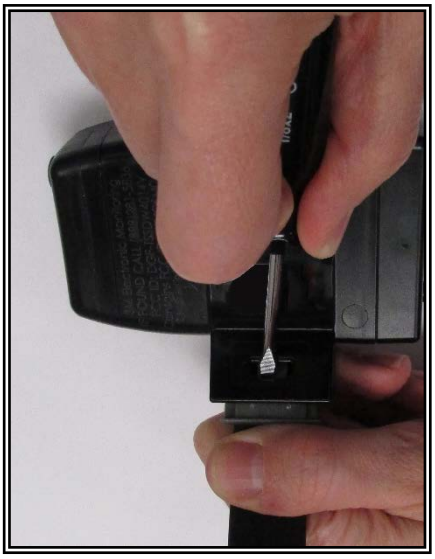
Step 2:

Use a flathead screwdriver to push on the tamper plugs and break them.

Step 3:

Use the screwdriver to remove the tamper plugs by pressing down on the release latch inside the bracket.

Removing the (Gen 4), Cont.



Step 4:

Keep the release latch depressed as you pull the strap with attached pin trays out of each bracket. Discard the tamper plugs, pin trays, and straps.

Note: Do NOT reuse the tamper plugs.

Note: Do NOT remove tamper plugs from the brackets of the device unless there is a strap with an attached pin tray inside the bracket.

1 Piece (Gen 4) SELF TEST

To Begin the 1 Piece (Gen 4) Self Test:

- Make sure the 1 Piece (Gen 4) is unassigned from any offenders
- Make sure the 1 Piece (Gen 4) does NOT have a strap with a pin tray in it
- Make sure that the 1 Piece (Gen 4) is in a good wireless and GPS location
- Press and hold the Activate Button until the 1 Piece (Gen 4) vibrates (about 5 seconds)
- The PWR/ZONE/GPS LEDs will begin to blink green, verifying the test is in progress
- Only the Zone and GPS LEDs will be utilized for the test
- The test results will be displayed on the Zone/GPS LEDs within 10 minutes
- To stop the test, press and hold the Activate button until it vibrates

.

Test Results:

- ZONE/GPS LED solid green = passed all tests.
- ZONE/GPS LED blinking red ONE time = Modem Failure.
- ZONE/GPS LED blinking red TWICE = GPS Failure.
- ZONE/GPS LED blinking red THREE times = Tamper Failure.
- The test results will be displayed on the Zone/GPS LEDs for one hour.

Appendix

Rule Definitions

Home/Away Status

- When the 1 Piece (Gen 4) is in range of the Beacon, it will start receiving signals from the Beacon. When these signals are received by the 1 Piece (Gen 4), it will record a “Home” status. Likewise, when the 1 Piece (Gen 4) is unable to receive signals from the Beacon for five consecutive minutes, it will record an “Away” status. This indicates the 1 Piece (Gen 4) is out of range of the Beacon.

Home Curfew

- If the 1 Piece (Gen 4) has a home schedule set and the 1 Piece (Gen 4) is not in range of the Beacon during this time, a curfew alarm will be generated. Note: The curfew alarm will not occur until a five minute internal buffer and any user added grace period has expired. The device will vibrate three times consecutively, and once every ten minutes thereafter, while in violation if the Notify with Vibrate feature is checked. The Zone LED will blink red until the violation is cleared.

1 Piece (Gen 4) Battery

- The battery is getting low and the device needs to be charged. The device must be charged for a minimum of two hours daily (the hours do not have to be consecutive). When the battery needs to be charged, the device will vibrate three times consecutively and then once every ten minutes until it is connected to the charger. During this time, the Power LED will blink red.

Motion No GPS

- The 1 Piece (Gen 4) has accumulated 20 minutes of motion in a 60 minute period without receiving a signal from the GPS satellites. The device will vibrate three times consecutively, and once every ten minutes thereafter, until the violation has cleared by acquiring GPS. During this time, the GPS LED will blink red until the violation is cleared.

Violations and Definitions, Cont.

1 Piece (Gen 4) Strap

- The strap has been compromised or removed from the 1 Piece (Gen 4). There will not be any notification to the offender that this has occurred unless the officer selects the Notify Offender with Vibrate option on this rule.

1 Piece (Gen 4) Unable to Connect

- The 1 Piece (Gen 4) has a defined call-in interval that is determined by the contract. If the 1 Piece (Gen 4) is unable to call 3M Electronic Monitoring at its defined call-in interval, a default 90 minute grace period will go into effect. If the default 90 minute grace period expires and the 1 Piece (Gen 4) has still not called 3M Electronic Monitoring, the database will create this alarm. This is normally due to poor cellular coverage in the area. The offender is not notified of the Unable to Connect alarm. Once the 1 Piece (Gen 4) is able to use the cellular network to call in, it will report any alarms that occurred during this time and download all tracking data.

1 Piece (Gen 4) Tamper

- The 1 Piece (Gen 4) has been compromised in some form. There will not be any notification to the offender that this has occurred unless the officer selects the Notify Offender with Vibrate option on this rule.

Appendix

Geographic Rules

Zone Rules- The offender has violated a Zone set up by the user. The device will vibrate three times consecutively, and once every ten minutes thereafter, while in violation if the Notify with Vibrate feature is checked. The Zone LED will blink red.

- Inclusion Zone
  - Geographic areas like home, work, or school where the offender is confined during an officer defined schedule.

- Exclusion Zone
  - Geographic areas used to define off-limits areas to the offender.

Base A/C Power Disconnect

- A Base A/C Power Disconnect alarm will be generated if the Beacon is disconnected from or loses power

Base Battery

- The backup battery in the Beacon is designed to last 24 hours. This alarm will be generated when the battery is getting low. Once the alarm is generated, the offender will have approximately 30 minutes to plug the Beacon into a wall outlet before the battery dies. Once plugged back into a wall outlet, the backup battery will take approximately 4 hours to be recharged.

Base Location Un-Trusted

The Base Location Un-Trusted alarm will be generated if any of the following conditions occur:

- If the A/C power is lost in conjunction with motion detection
- If the Beacon detects excessive motion, whether or not it has A/C power
- If the Beacon detects loss of power for over one hour
- If the Beacon backup battery dies

Base Motion

- Base motion occurs anytime the Beacon detects motion to its internal sensor.

Radio Frequency Exposure:

For body worn operation, this monitor has been tested and meets the FCC RF exposure guidelines when used in ankle worn configuration with a 3M bracelet designated for this product. The use of accessories not approved by 3M Company may cause your device to malfunction or in the case of unapproved electrical accessories may cause the device to exceed RF energy exposure guidelines. Modifications to this device shall not be made without the written consent of 3M Company. Unauthorized modifications may void the authority granted under Federal Communication Rules and Industry Canada Rules permitting the operation of this device.

FCC Note:

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This device is to be used solely by law enforcement agencies for tracking purposes and must be professionally installed. The antenna(s) used for this transmitter must not be co- located or operating in conjunction with any other antenna or transmitter. This device is approved with emissions having a source-based time averaging duty factor not exceeding 2.5%.

This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

—Reorient or relocate the receiving antenna
—Increase the separation between the equipment and receiver
—Connect the equipment into an outlet on a circuit different from that to which the receiver is connected
—Consult the dealer or an experienced radio/TV technician for help.

Canada Note: CAN ICES-3 B/NMB-3 B:

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

(1) This device may not cause harmful interference, and
(2) This device must accept any interference received, including interference that may cause undesired operation.

Cet appareil est conforme avec la norme RSS-210 d'Industrie Canada exempte de licence. Son fonctionnement est soumis aux deux conditions suivantes: (1) cet appareil peut causer des interférences, et (2) cet appareil doit accepter toute interférence, y compris celles pouvant provoquer un fonctionnement indésirable de l'appareil.

Additional Information:

Model Number: W4014V

IP rating: IP68

Environmental conditions for use:

- **Operating Conditions: -20° C to 60° C**
- **Charging Conditions: 0° C to 40° C**
- **Humidity: 100%**
- **Weight: 7.5 Oz**

Storage conditions:

- **Temperature: -20° C to 50° C**