EMD Palmetto Vision

User's Manual

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Earth Technology Integration (ETI)

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Compute Configuration

Required Software

Several pieces of software need to be installed on any computer wishing to access the Common Operating Picture (COP).

- Internet Explorer (minimum version 8.0)

- NeoRouter Professional Client (minimum version 1.6.1)

- Google Earth Enterprise Client (minimum version 6.0.3)

- Adobe Flash Player (minimum version 11.1)

Contact Phil Armijo for instructions on obtaining the software components

Installing NeoRouter Client

Double click on the Setup program and accept all default choices

Installing Google Earth Enterprise (GEE) Client

Double click on the Setup program and accept all default choices

Editing the Hosts file

- Open the Palmetto Vision (PV) hosts file into Notepad

- Go to C:\Windows\System32\drivers\etc directory and open the local hosts file in a text editor

- Cut/paste everything from the last # from PV hosts file onto the end of your local hosts file

- Save the local hosts file
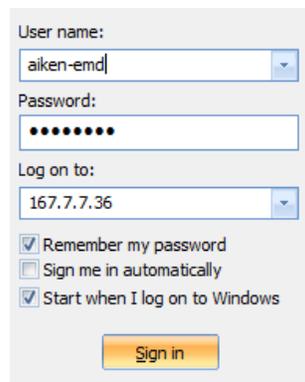
Configuring NeoRouter Client

NeoRouter is the Virtual Private Network (VPN) software used for all communications between computers; all communication on the VPN is encrypted to guarantee the safety of the data. NeoRouter must be up and running before you can access the Common Operating Picture.

Start the NeoRouter program

Start->All Programs->NeoRouter->NeoRouter Network Explorer

There are 3 configuration settings that need to be set on the client:

- Username – The first seven letters of the county name dash emd

    o   For Aiken County: aiken-emd

    o   For Orangeburg: orangeb-emd

- Password – contact Phil Armijo to receive a password

- Log on to – 167.7.7.36

If PVISION-SCEMD is displayed with bold print you may precede.


Configure Google Earth Client

The Google Earth client connects to the Google Earth Enterprise server, via the VPN, and is used to view the Common Operating Picture.

Start Google Earth EC program

Start->All Programs->Google Earth EC-> Google Earth EC

- Type in the Server name: earth.scng-scope.org

- Select both checkboxes

    o Always login to this server

    o Disable caching

- Click on Login
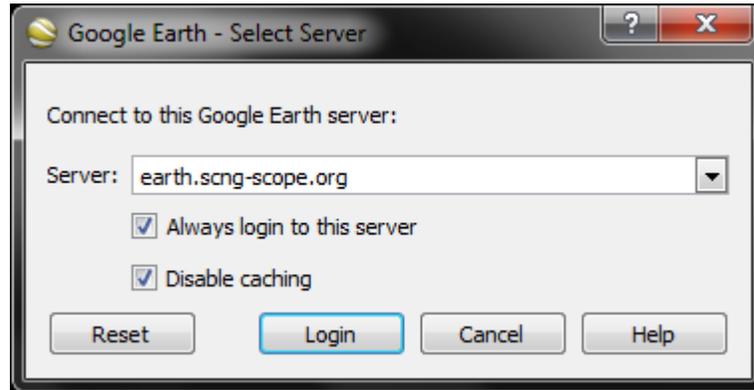
This interface will be by-passed the next time you start Google Earth by selecting the "Always login to this Server" checkbox. Once the program has started go to

Tools->Options

Select the 'General' tab

Select 'Allow access to local files and personal data'

Select 'Apply' and then 'OK'

To Start

Turn on your computer and monitor, start NeoRouter and then Google Earth.

Creating an Event (WebEOC)

WebEOC is a program that can place an event within the Common Operating Picture.

- Start Internet Explorer

- Select 'Favorites->PalmettoVision-> WebEOC 7.3 Login' if WebEOC is not bookmarked in your browser then refer to Appendix B for the URL.

Currently the 'County Significant Events (pvision)' board is the only one that is enabled to work with the Palmetto Vision system. Once you save an event in WebEOC it will automatically show up in the Common Operating Picture. Other boards (e.g. shelter

and TCP) can easily be updated to be displayed within the Common Operating Picture, contact Phil Armijo if you are interested in updating any WebEOC boards.
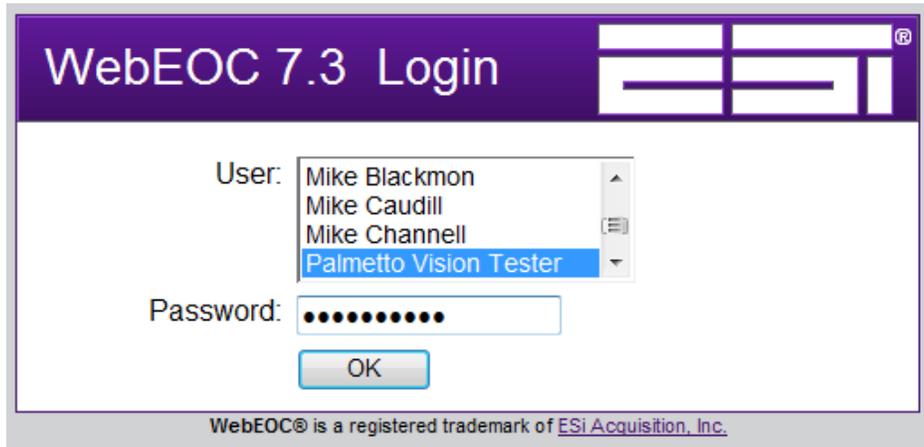
Select the Palmetto Vision Tester account with the password of Stealth101and click on OK
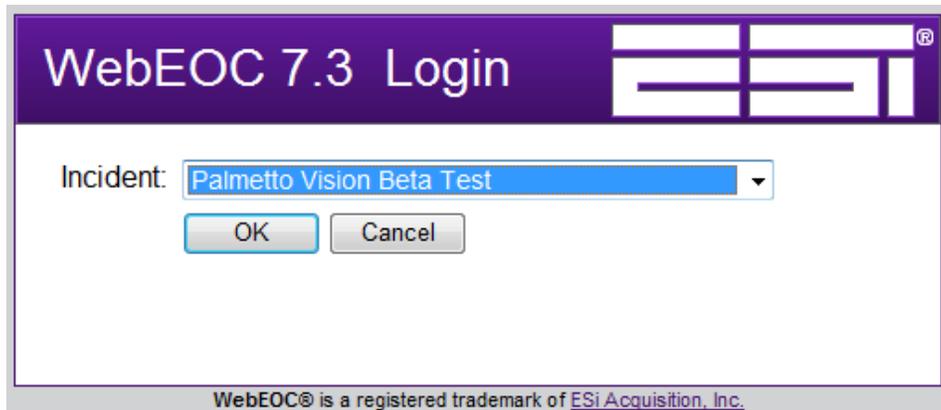
Select Palmetto Vision Beta Test as the Incident, select OK. Your browser must allow pop-ups to get to the Boards selection list
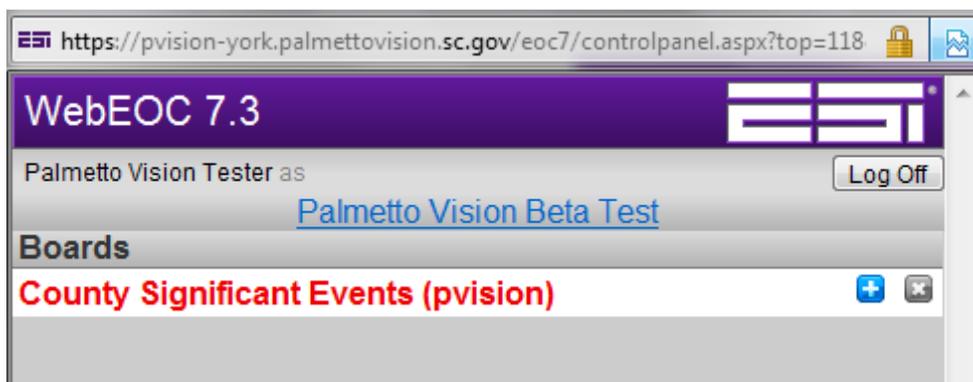
County Significant Events board

Select the blue plus, ⊞ , across from the County Significant Events (pvision) line. This will bring up the New Record interface
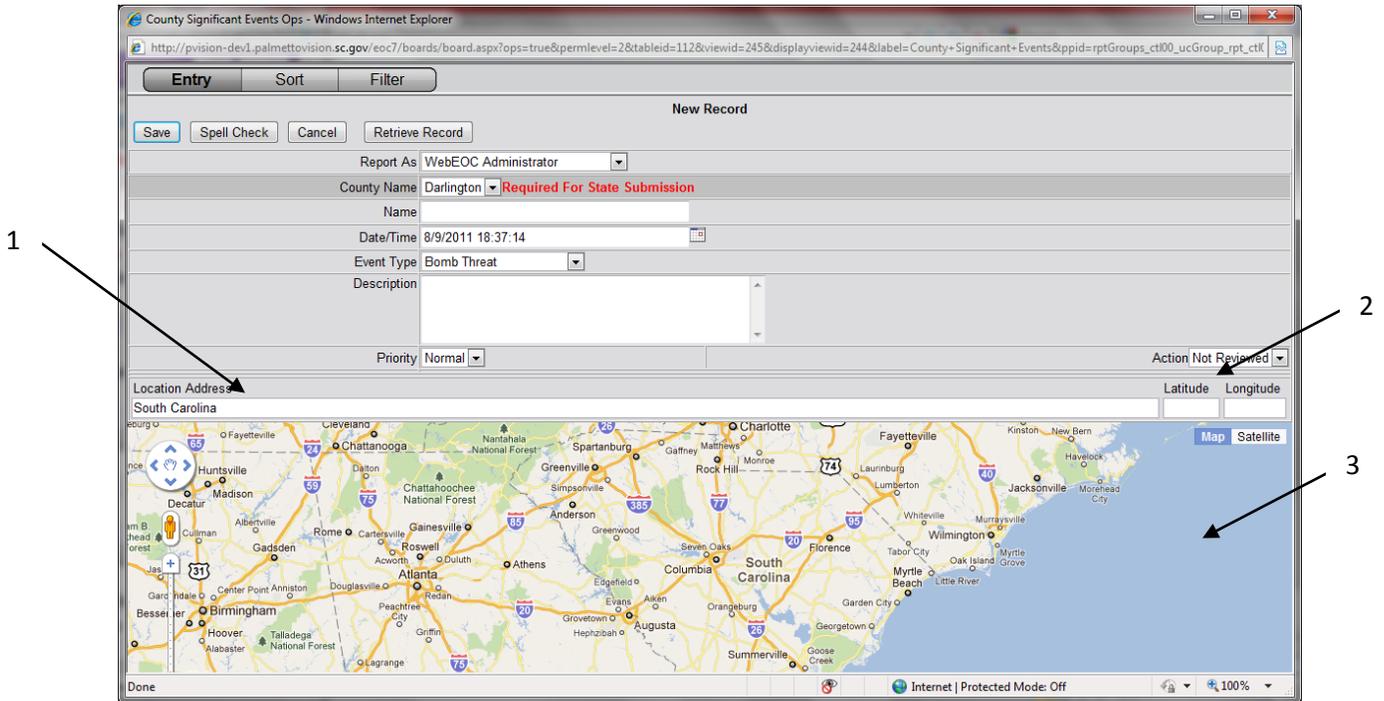

This is the current County Significant Events board with a few modifications:

1. Location Address allows the user to type in an address of an Event or will AutoFill when an icon has been placed on the map

2. Latitude/Longitude will AutoFill when an icon has been placed on the map

3. Google Map is used to give a GIS component to the Event

Creating an Event

Step 1: Fill out the New Record information in the top of the half of the board. Make sure to select the Event Type
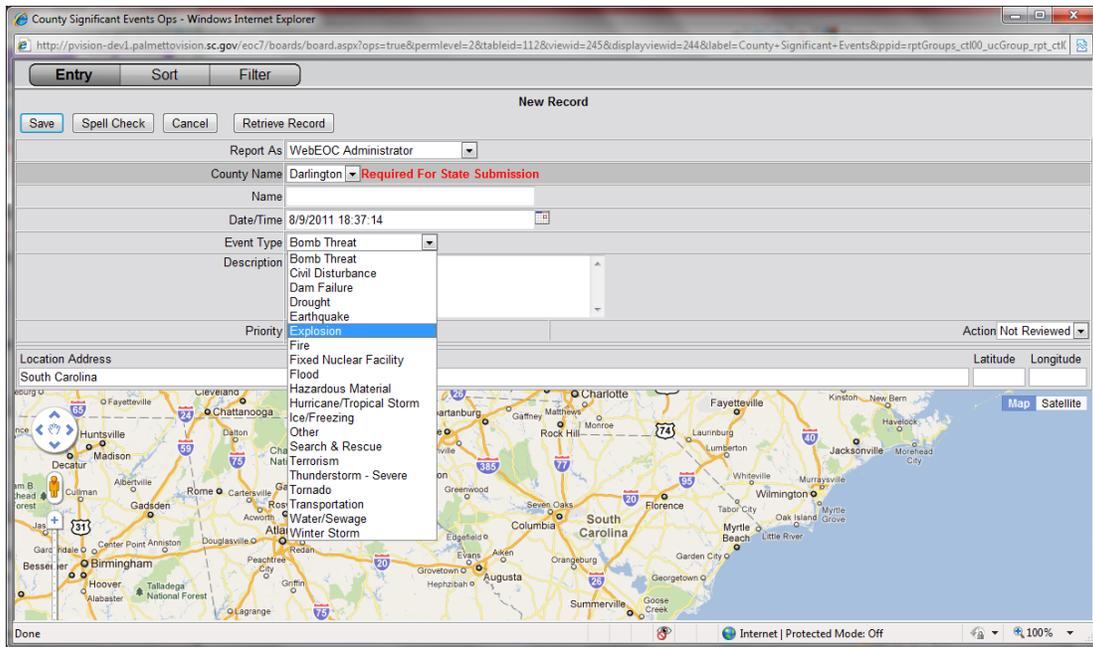

Second Step: Click on the map and an Event icon will appear on the map, with the Location Address, Latitude, and the Longitude automatically filled in.
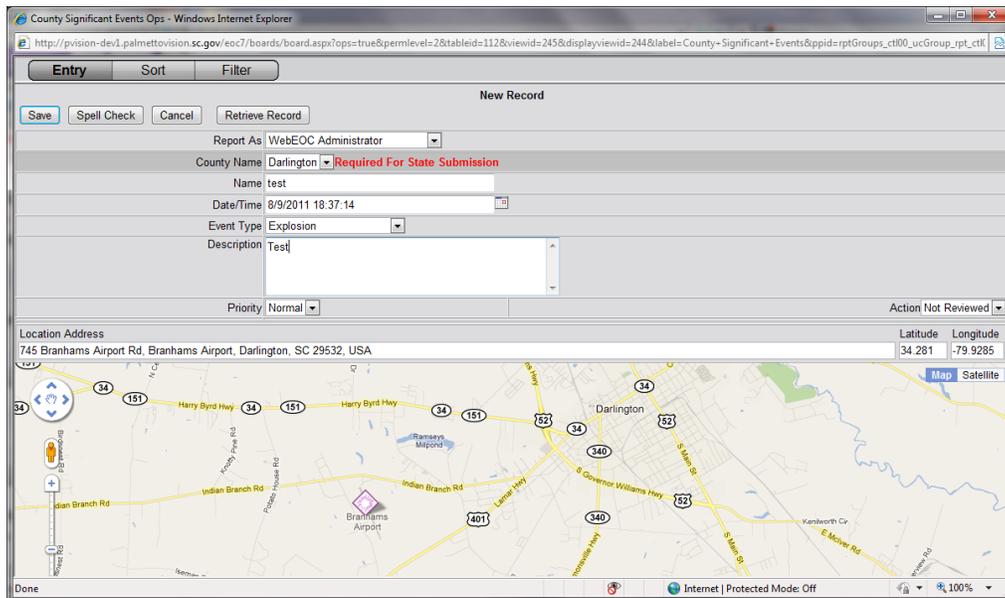
PVision Interface

UICDS is a middleware that has no interface but it can perform many tasks. The pvision interface displays each Significant Event that you've saved in WebEOC. This interface is not the Common Operating Picture, since it is the view of only one county.

- Start Internet Explorer

- Select 'Favorites->PalmettoVision-> WebEOC 7.3 Login' if WebEOC is not bookmarked in your browser then refer to Appendix B for the URL.
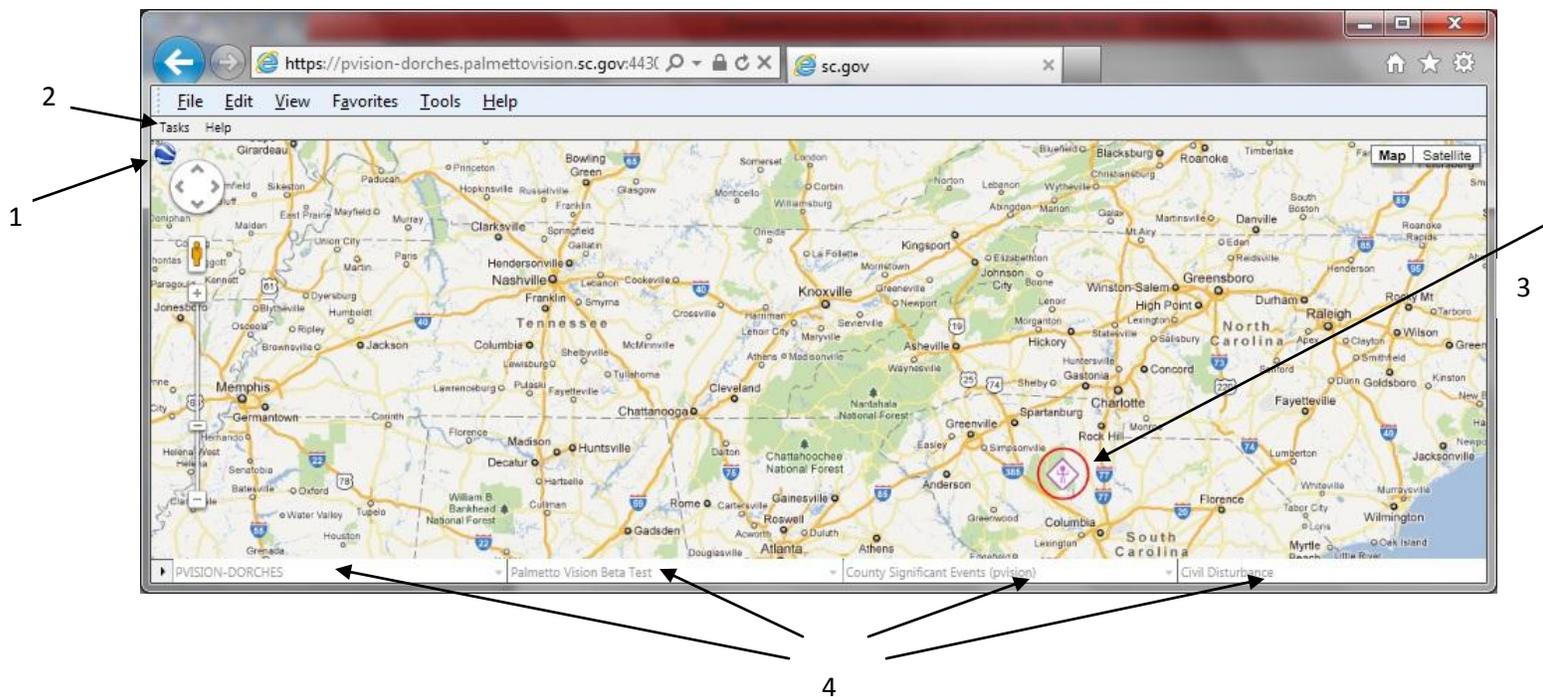
1. Download KML file to go into Google Earth
2. UICDS Tasks
3. Red circle indicates which Event you are currently working on
4. Detailed information of Event in Red Circle.

Tasks Pulldown Options

. The image above shows the first tasks that the interface will support:

1. New Attachment – Allows a user to associate any file to a specific UICDS incident or upload a file onto the server

2. Share Incident – push the Event to another computer(s)

3. Close Incident – Incident is over and needs to be removed from the Common Operating Picture.

Public and Private Directories

Before going into how to attach a file let's go over the how certain directories are designated either 'public' or 'private'.
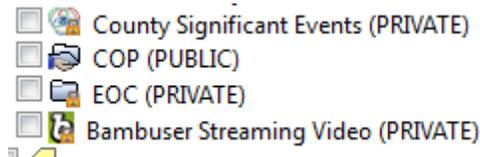
A public directory means that any computer that is on the VPN can look at all the files contained within the directory. A private directory is password protected, if you select the check box for a private directory a pop-up window will appear.

Both public and private are accessible through the Common Operating Picture. Public directories contain files that you are sharing with everyone who has access to the Common Operating Picture (COP). While, Private directories contain files that you want to see in the COP but you don't want to have them accessible to the rest of the COP users. The Private directories are username/password protected to safeguard your data

File Sharing - Associating a File with an Incident

This interface allows you to assign a file to the Event. A file has to be located on the server before it can be assigned to an incident. Begin by selecting New Attachment from the Tasks pulldown menu.

1. This interface starts up opening on the "E" drive on the server which is hosting the Pvision interface.   The 'Attach' tab is selected by default and is used to associate a file with an incident..

2. The interface is a simple file chooser that allows you to double click on the directory names to drill down to the specific file you would like to assign to the incident.
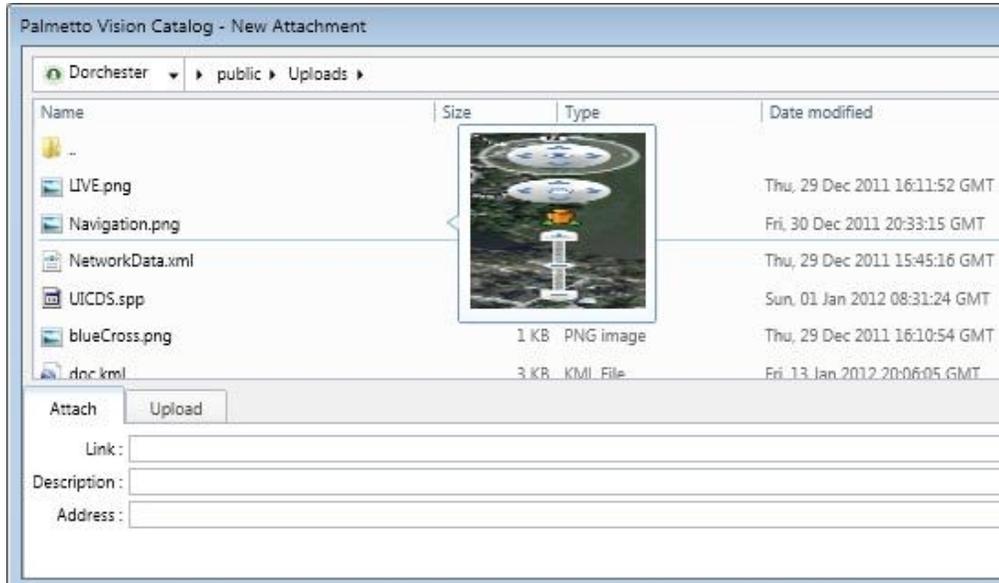
If the file is an image a thumbnail image will appear once you place the mouse over the filename.

3. You can assign a file by double clicking on a folder name; 'Link' and 'Description' fields will automatically fill in.
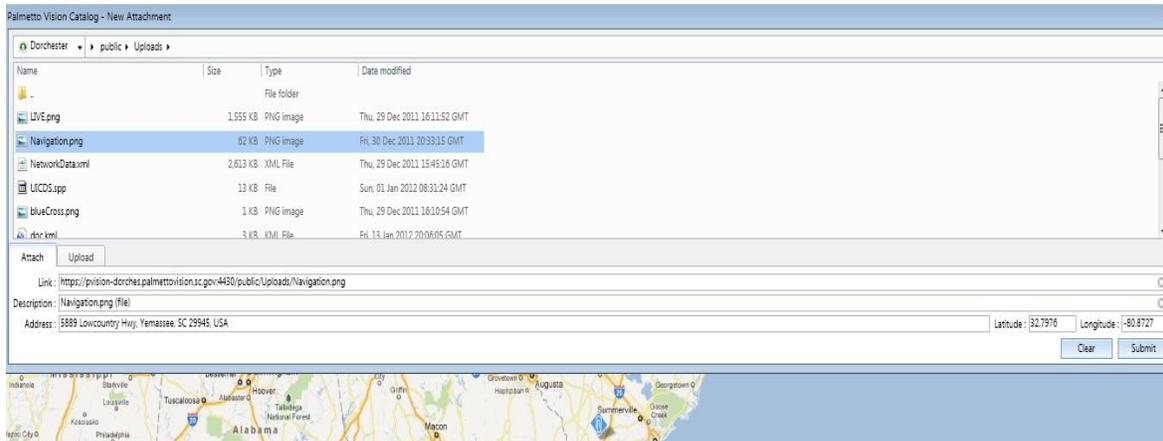

If by chance the file needs to be associated with a specific place you can click on the interactive map. A paperclip icon shows up on the map and the 'Address', 'Lat', 'Long' data will auto fill.

4. Select 'Submit'
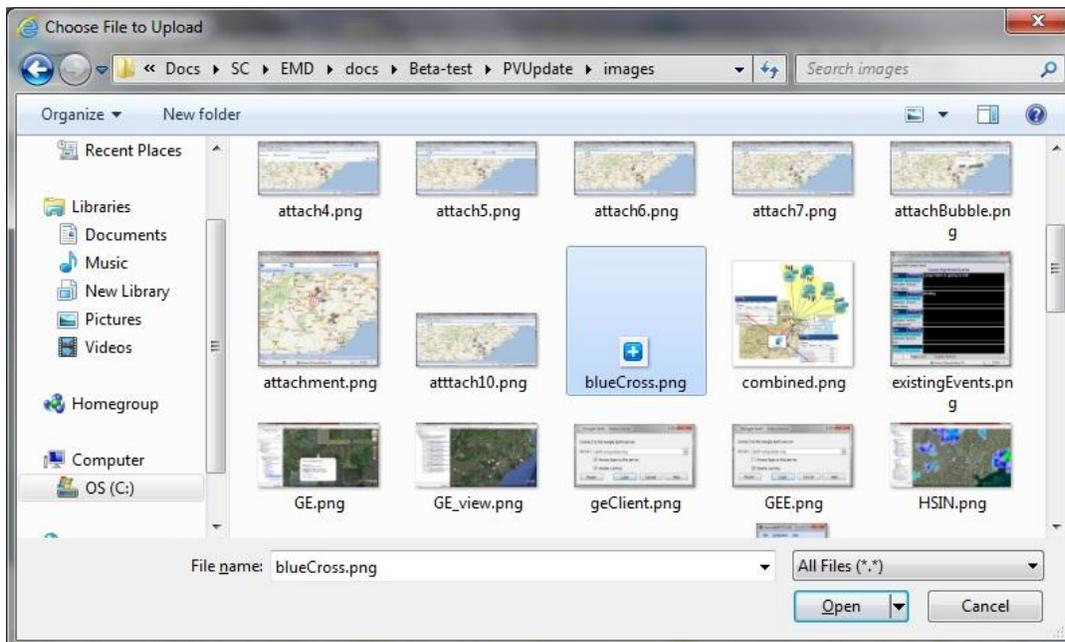
Uploading a File

At certain times you'll want to transfer files from your computer to a server. This uploaded file can be viewed in the Common Operating Picture or assigned to an incident.

1. Select the 'Upload' tab
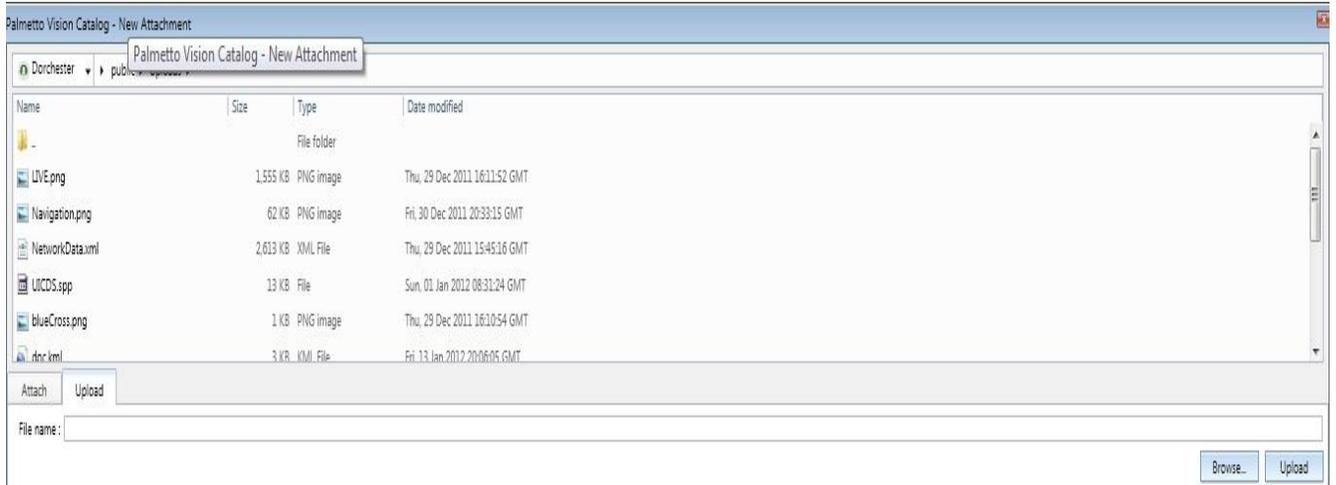
2. Select the Browse button, a pop-up will appear that is a file selector showing files on your computer. Double click on the file name and then select 'Open'.

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3. Click on 'Upload' to transfer the file from your machine to the server

Accessing Different Serves

You can select files that are on different servers by selecting the downward arrow and then click on a counties name.
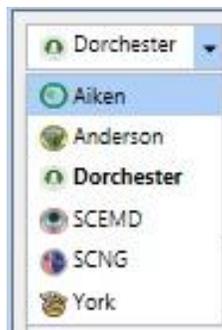
Sharing an Incident

There are several steps to push an Event from your local server to another server. Start by selecting Share Incident from the Tasks pulldown menu.
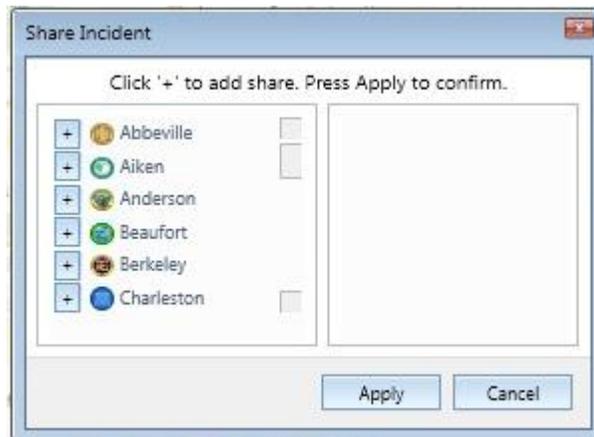
Now click on the '+' next to the county name that you wish to share the incident out to

The final step is to select the Apply button

# Close an Incident

At some point in time an incident will have wound down then you'll want to remove it from the Common Operating Picture (and store it in a database table).

1. Select the incident that you want to close

2. Select 'Task->Close Incident'

3. A popup will appear asking you to confirm that you want to close the incident, select 'OK'

4. A confirmation popup will appear letting you know the incident has been closed, the icon will leave the Common Operating Picture

Google Earth Enterprise Client

If you are unfamiliar with the Google Earth program please reference the Google Earth Training Manual. A Google Earth Enterprise edition server is being utilized by the SCEMD which means that we have total control of the 'Layers' section in Google Earth. The Infrastructure data layer of information that each county should review to confirm that the accurate. County GIS folks have the latest/greatest information and if they are willing to share that data it can easily be hosted within the Common Operating Picture
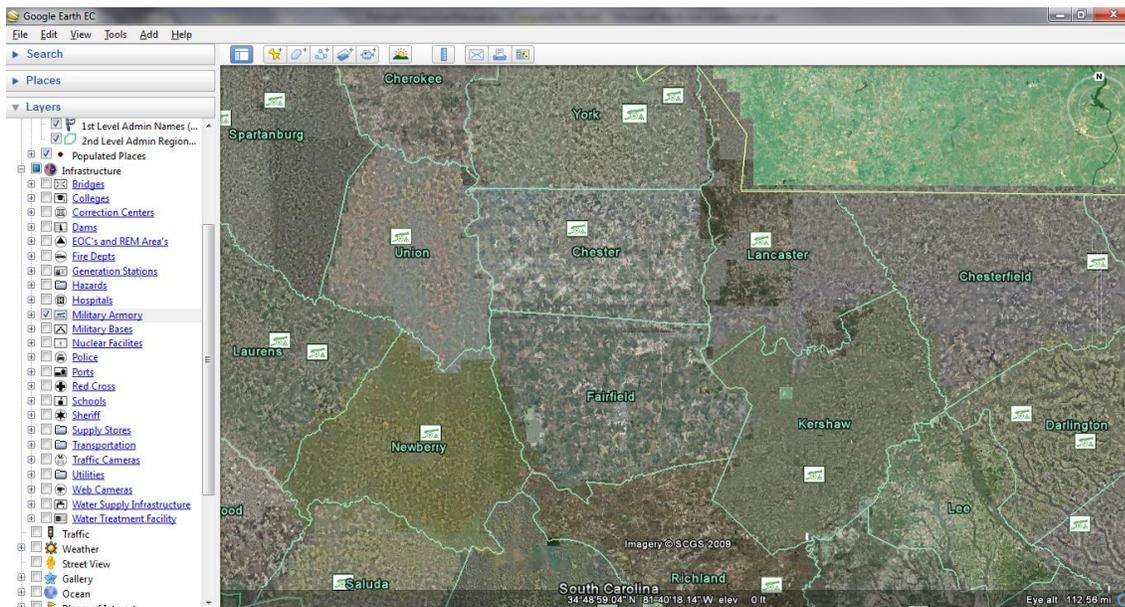
The SCEMD has divided the state into 6 regions, as you expand a region the county names appear. The EOC (PRIVATE) and COP (PUBLIC) are directories on the server that you can access by expanding the checkbox.
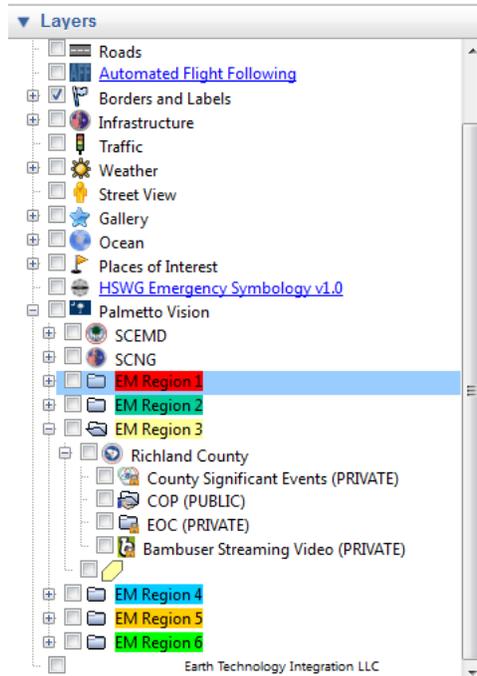
If you have created a County Significant Event within WebEOC it will automatically appear in the tree structure.
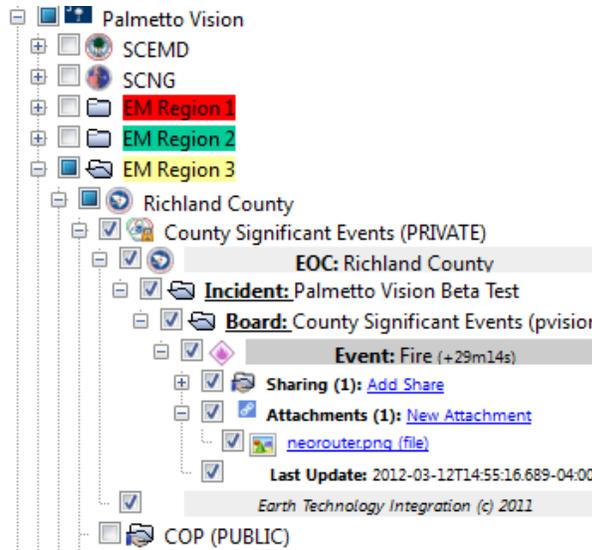
Each Event will show several pieces of information:

- A timer since the Event was created in WebEOC

- Which Servers (if any) the Event was shared with

- Work Products are the files associated with an Event

- Last Update is the date/time when the latest data was associated with the Event

The map will show an event-related icon for the event, if you click on the icon a pop-up bubble will show up
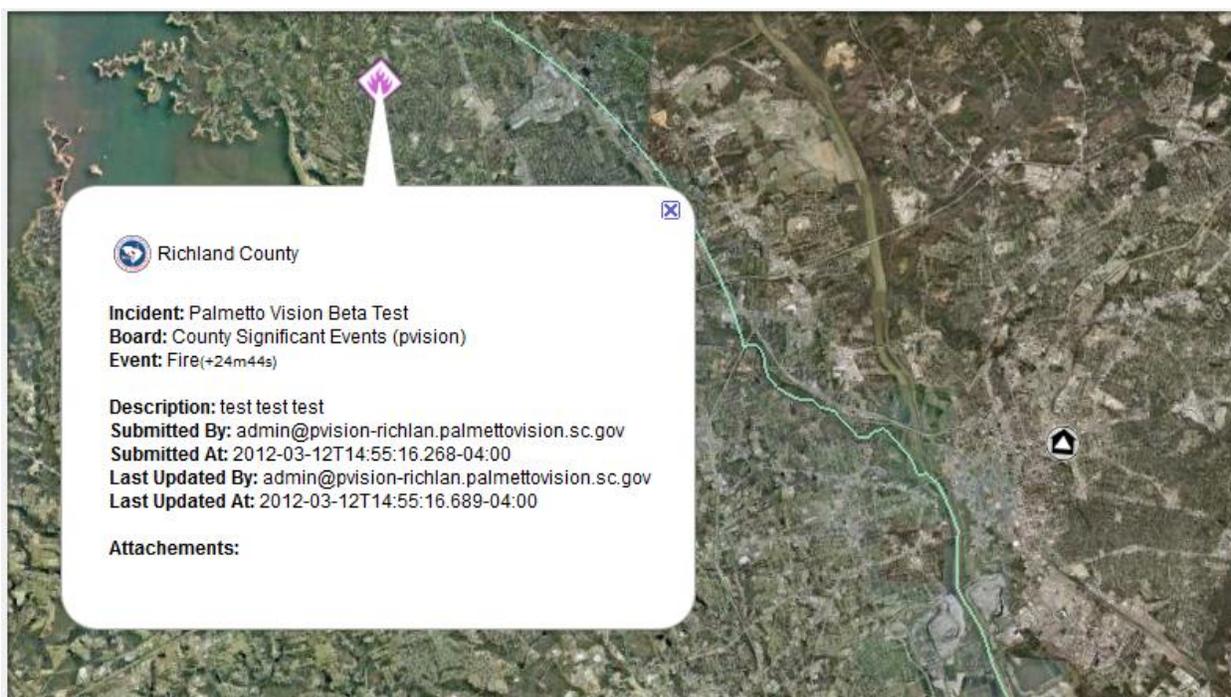
By placing the mouse over the event icon you will see white lines that indicate who the event is shared with.
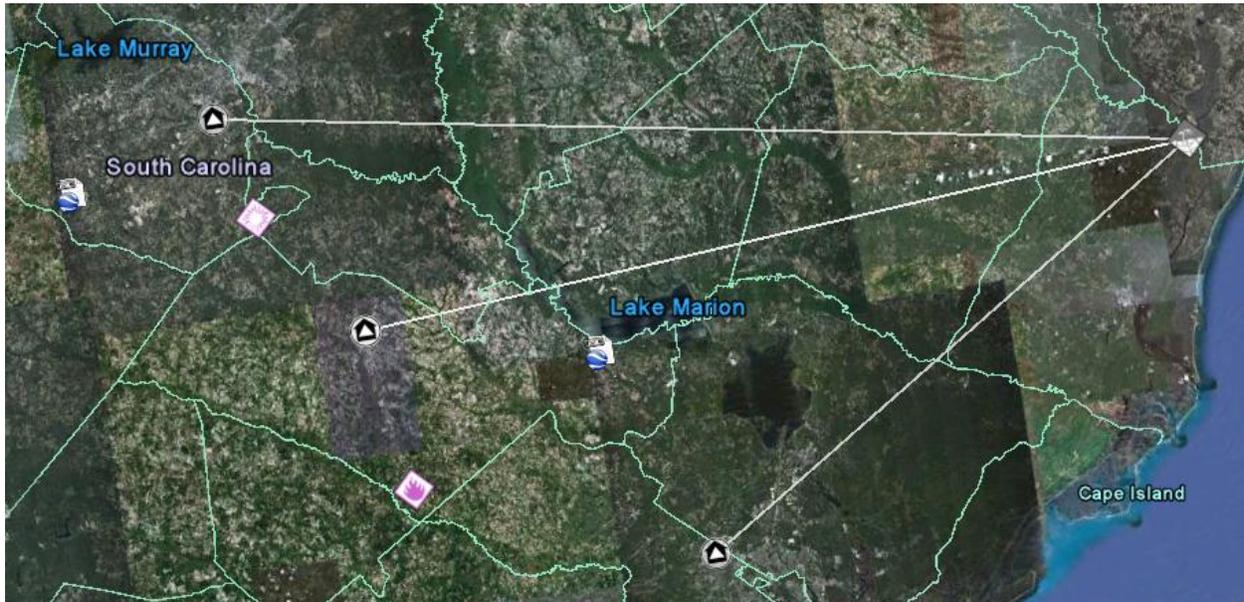
Placing the mouse over a Server icon will cause lines to go to each Event that was either created by the server or has been shared with the server.

Click on the EOC icon and all Events will be displayed,

Appendix A: Clearing the Cache

From time to time updates that are made to the Google Earth Server will not show up on your computer. Your Google Earth client will cache a file on your computer in two separate areas. The first is a directory that Google Earth uses and some data layers are cached in Internet Explorer. Here are the steps for removing those files from your computer

Step 1: Start Google Earth

- Select 'File->Server Log Out'
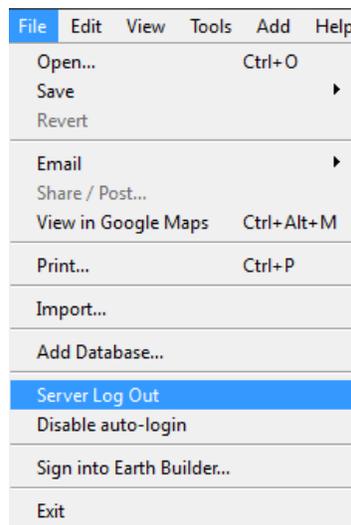
- Select 'Tools->Options'
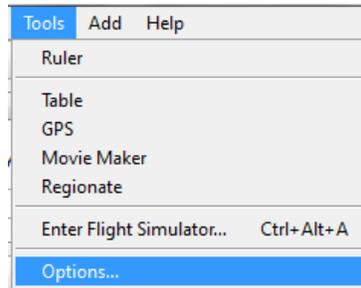
- Select the Cache tab;

- Click on 'Delete cache file'; then select 'Apply' and 'OK'
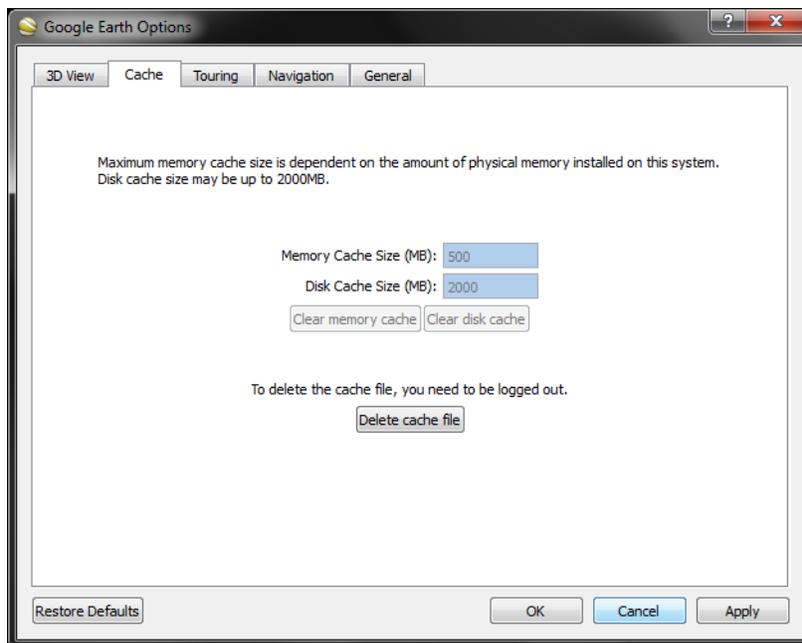
- Close Google Earth

Step 2: Start Internet Explorer

- Select 'Tools->Delete browsing history'

Appendix B: WebEOC URL's:

The SCEMD is in the process of installing SSL certificates on all of the servers but the process has not been completed so if the URL times out, in IE, try changing the 'https' to 'http'.

Abbeville: https://pvision-abbevil.palmettovision.sc.gov/eoc7/
Aiken: https://pvision-aiken.palmettovision.sc.gov/eoc7/
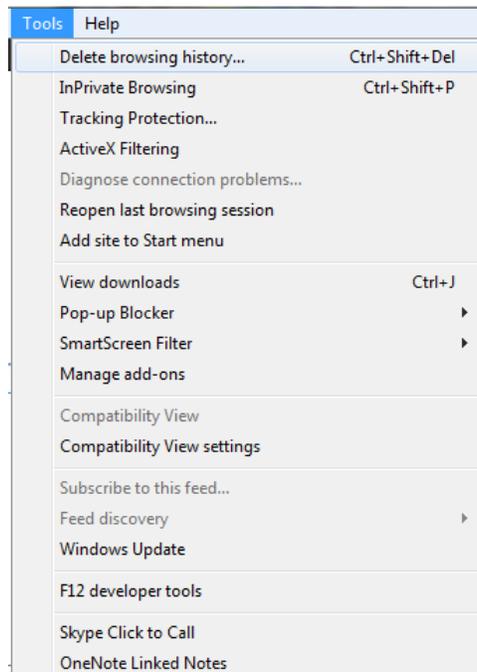Anderson: https://pvision-anderso.palmettovision.sc.gov/eoc7/
Barnwell: https://pvision-barnwel.palmettovision.sc.gov/eoc7/
Beaufort: https://pvision-beaufor.palmettovision.sc.gov/eoc7/
Berkeley: https://pvision-berkele.palmettovision.sc.gov/eoc7/
Charleston: https://pvision-charles.palmettovision.sc.gov/eoc7/
Cherokee: https://pvision-cheroke.palmettovision.sc.gov/eoc7/
Chesterfield: https://pvision-chester.palmettovision.sc.gov/eoc7/
Colleton: https://pvision-colleto.palmettovision.sc.gov/eoc7/
Darlington: https://pvision-darling.palmettovision.sc.gov/eoc7/
Dillon: https://pvision-dillon.palmettovision.sc.gov/eoc7/
Dorchester: https://pvision-dorches.palmettovision.sc.gov/eoc7/
Fairfield: https://pvision-fairfie.palmettovision.sc.gov/eoc7/
Florence: https://pvision-florenc.palmettovision.sc.gov/eoc7/
Georgetown: https://pvision-georget.palmettovision.sc.gov/eoc7/
Greenville: https://pvision-greenvi.palmettovision.sc.gov/eoc7/
Greenwood: https://pvision-greenwo.palmettovision.sc.gov/eoc7/
Hampton: https://pvision-hampton.palmettovision.sc.gov/eoc7/
Jasper: https://pvision-jasper.palmettovision.sc.gov/eoc7/
Lee: https://pvision-lee.palmettovision.sc.gov/eoc7/
Marlboro: https://pvision-marlbor.palmettovision.sc.gov/eoc7/
McCormick: https://pvision-mccormi.palmettovision.sc.gov/eoc7/
Newberry: https://pvision-newberr.palmettovision.sc.gov/eoc7/
Oconee: https://pvision-oconee.palmettovision.sc.gov/eoc7/
Orangeburg: https://pvision-orangeb.palmettovision.sc.gov/eoc7/
Pickens: https://pvision-pickens.palmettovision.sc.gov/eoc7/
Richland: https://pvision-richlan.palmettovision.sc.gov/eoc7/
SCEMD: https://pvision-scemd.palmettovision.sc.gov/eoc7/
Spartanburg: https://pvision-spartan.palmettovision.sc.gov/eoc7/
York: https://pvision-york.palmettovision.sc.gov/eoc7/

Appendix C: PVision URL's:

The SCEMD is in the process of installing SSL certificates on all of the servers but the process has not been completed so if the URL times out, in IE, try changing the ':4430/eti/cop/pvision.html' to ':8090/eti/cop/pvision.html' and 'https' to 'http'.

Abbeville: https://pvision-abbevil.palmettovision.sc.gov:4430/eti/cop/pvision.html
Aiken: https://pvision-aiken.palmettovision.sc.gov:4430/eti/cop/pvision.html
Anderson: https://pvision-anderso.palmettovision.sc.gov:4430/eti/cop/pvision.html
Barnwell: https://pvision-barnwel.palmettovision.sc.gov:4430/eti/cop/pvision.html
Beaufort: https://pvision-beaufor.palmettovision.sc.gov:4430/eti/cop/pvision.html
Berkeley: https://pvision-berkele.palmettovision.sc.gov:4430/eti/cop/pvision.html
Charleston: https://pvision-charles.palmettovision.sc.gov:4430/eti/cop/pvision.html
Cherokee: https://pvision-cheroke.palmettovision.sc.gov:4430/eti/cop/pvision.html
Chesterfield: https://pvision-chester.palmettovision.sc.gov:4430/eti/cop/pvision.html
Colleton: https://pvision-colleto.palmettovision.sc.gov:4430/eti/cop/pvision.html
Darlington: https://pvision-darling.palmettovision.sc.gov:4430/eti/cop/pvision.html
Dillon: https://pvision-dillon.palmettovision.sc.gov:4430/eti/cop/pvision.html
Dorchester: https://pvision-dorches.palmettovision.sc.gov:4430/eti/cop/pvision.html
Fairfield: https://pvision-fairfie.palmettovision.sc.gov:4430/eti/cop/pvision.html
Florence: https://pvision-florenc.palmettovision.sc.gov:4430/eti/cop/pvision.html
Georgetown: https://pvision-georget.palmettovision.sc.gov:4430/eti/cop/pvision.html
Greenville: https://pvision-greenvi.palmettovision.sc.gov:4430/eti/cop/pvision.html
Greenwood: https://pvision-greenwo.palmettovision.sc.gov:4430/eti/cop/pvision.html
Hampton: https://pvision-hampton.palmettovision.sc.gov:4430/eti/cop/pvision.html
Jasper: https://pvision-jasper.palmettovision.sc.gov:4430/eti/cop/pvision.html
Lee: https://pvision-lee.palmettovision.sc.gov:4430/eti/cop/pvision.html
Marlboro: https://pvision-marlbor.palmettovision.sc.gov:4430/eti/cop/pvision.html
McCormick: https://pvision-mccormi.palmettovision.sc.gov:4430/eti/cop/pvision.html
Newberry: https://pvision-newberr.palmettovision.sc.gov:4430/eti/cop/pvision.html
Oconee: https://pvision-oconee.palmettovision.sc.gov:4430/eti/cop/pvision.html
Orangeburg: https://pvision-orangeb.palmettovision.sc.gov:4430/eti/cop/pvision.html
Pickens: https://pvision-pickens.palmettovision.sc.gov:4430/eti/cop/pvision.html
Richland: https://pvision-richlan.palmettovision.sc.gov:4430/eti/cop/pvision.html
SCEMD: https://pvision-scemd.palmettovision.sc.gov:4430/eti/cop/pvision.html
Spartanburg: https://pvision-spartan.palmettovision.sc.gov:4430/eti/cop/pvision.html
York: https://pvision-york.palmettovision.sc.gov:4430/eti/cop/pvision.html