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
 - For Aiken County: aiken-emd
 - For Orangeburg: orangeb-emd
- Password contact Phil Armijo to receive a password
- Log on to 167.7.7.36

User name:
aiken-emd
Password:
•••••
Log on to:
167.7.7.36
Remember my password Sign me in automatically Start when I log on to Windows
<u>Sign in</u>

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
 - Always login to this server
 - o Disable caching

Click on Login

🥯 Goog	e Earth - Select Serve	er	? <mark>×</mark>
Connect	to this Google Earth se	rver:	
Server:	earth.scng-scope.org		•
	Always login to this	server	
	Disable caching		
Res	et Logir	n Cancel	Help

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.

WebEOC 7	7.3 Login		@
User:	Mike Blackmon Mike Caudill Mike Channell Palmetto Vision Tester		
Password:	ОК		
WebEOC	® is a registered trademark of ES	Si Acquisition, Inc.	

Select the Palmetto Vision Tester account with the password of Stealth101and click on OK

WebEOC 7.3 Login	®
Incident: Palmetto Vision Beta Test	
WebFOC® is a registered trademark of ESi Acquisition. Inc.	

Select Palmetto Vision Beta Test as the Incident, select OK. Your browser must allow pop-ups to get to the Boards selection list

E https://pvision-york.palmettovision.sc.gov/eoc7/controlpanel.	aspx?top=118 🔒 📄
WebEOC 7.3	
Palmetto Vision Tester as	Log Off
Palmetto Vision Beta Test	
Boards	
County Significant Events (pvision)	😑 🖂

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

County Significant Events Ops - Windows Internet E	plorer		_	-			x
http://pvision-dev1.palmettovision.sc.gov/eoc7/bos	ards/board.aspx?ops=true&pern	nlevel=28ttableid=1	28tviewid=2458tdisplay	/viewid=244&la	bel=County+Significant+Events&ppid=rptGroups	_ctl00_ucGroup_rpt_ctl	К 🗟
Entry Sort Filter							
	-	Ne	w Record				
Save Spell Check Cancel Retrieve	Record						
Report As	WebEOC Administrator						
County Name	Darlington - Pequired For	State Submissie	n				
Name	Danington • Required For	State Submissio					
Dato/Timo	8/0/2011 18:37:14		-				
Event Type	Bomb Threat						
Description	Bomb Threat		*				
	Civil Disturbance						
	Drought		-				
Priority	Earthquake Explosion					Action Not Reviewe	ed 🔻
Leastion Address	Fire					Latituda Longit	tudo
South Carolina	Flood					Latitude Longit	uue
eburg O Favetteville Cleveland	Hazardous Material	6 26	Charlotte	YY	Avetteville Kinston New Bern	Man Sate	allita
Chattanooga	Ice/Freezing	artanburg Gaff	ey Matthews		Havelock	, map date	, into
Huntsville	Other Search & Rescue	e 0	Rock Hill	Laurini	nberton		
Decatur Natison	Terrorism	385	No Y		City		
am B. Cullman Albertville Rome O Cartersville G	Tornado	Greenwood		् 😈 े	Winteville Murraysville		
Gadsden Gadsden	Transportation		even Oaks	Florence	Tabor City Oak Island Crew		
Jas - 31	Winter Storm	Edgefield 9	mbia Carolina		Myrtle o O Beach Little River		
Gard Indale O Center Point Athinston Dougletting	Redan	Evans Aiken	Orangeburg	Garden Cit	yo •		
Hoover Talladega	Grov Grov	etown O Augusta	25	Georgetown O			
Alabaster National Forest		12	Summerville	Goose Creek			
Done		1 1.2		8	Internet Protected Mode: Off	√2 ▼ € 100%	-

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.

New Attachement	Ctrl+A
Share Incident	Ctrl+S
Close Incident	Ctrl+C

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'.

E 🚱	County Significant Events (PRIVATE)
- 🏳	COP (PUBLIC)
- C	EOC (PRIVATE)
- G	Bambuser Streaming Video (PRIVATE)
	2 · · · · · ·

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.

/indows Securit	/
The server pvi required requi	sion-dorches.palmettovision.sc.gov at Authentication res a username and password.
	admin
	OK Cancel

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..

Palmetto Visio	n Catalog - New Attachme	nt							
O Dorcheste	er 🖌)								
Name		Size	Туре	Date modified					
📕 COP (PUB	SLIC)		File folder						
📕 EOC (PRIV	/ATE)		File folder						
📕 Streaming	g Video (PRIVATE)		File folder						
Attach	Upload								
Link :									
Description :									
Address :							Latitude :	Longitude	:
								Clear	Submit

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.

 Dorches 	ter 👻 🕨 public 🕨 Uploa	ds 🕨		
Name		Size	Туре	Date modified
JUVE.png	i on.png			Thu, 29 Dec 2011 16:11:52 GM Fri. 30 Dec 2011 20:33:15 GMT
Network	Data.xml		1	Thu, 29 Dec 2011 15:45:16 GM
🗟 UICDS.s	pp			Sun, 01 Jan 2012 08:31:24 GM
📰 blueCro	ss.png	1.	1 KB PNG image	Thu, 29 Dec 2011 16:10:54 GM
and doc kml			3.KR KMI File	Fri 13 Ian 2012 20:06:05 GMT
Attach	Upload			
Link :				
Description :				
Address :				

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.

ame	Size	Туре	Date modified		
-		File folder			- 1
LIVE.png	1,555 KB	PNG image	Thu, 29 Dec 2011 16:11:52 GMT		
Navigation.png	62 KB	PNG image	Fri, 30 Dec 2011 20:33:15 GMT		
NetworkData.xml	2,613 KB	XML File	Thu; 29 Dec 2011 15:45:16 GMT		
UICDS.spp	13 KB	File	Sun, 01 Jan 2012 08:31:24 GMT		
blueCross.png	1 KB	PNG image	Thu, 29 Dec 2011 16:10:54 GMT		
doc kml	3.KB	KMI File	Fri. 13. Jan 2012 20:06:05. GMT		
Attach Upload					
Link : https://pvision-dorches	palmettovision.sc.gov:4430/public	:/Uploads/Navigation	ng		
cription : Navigation.png (file)					1
Address : 5889 Lowcountry Hwy, '	/emassee, SC 29945, USA			Latitude : 32.7976 Longitude : -5	3.8727
				Clear	Submit
					_

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

Palmetto Vision Catalog - New Attachr	ment		
O Dorchester + public - option	to Vision Catalog - New Attachment		
Name	Size Type	Date modified	
3 -	File folder		<u>^</u>
📰 LIVE.png	1,555 KB PNG image	Thu; 29 Dec 2011 16:11:52 GMT	_
📓 Navigation.png	62 KB PNG image	Fri, 30 Dec 2011 20:33:15 GMT	-
NetworkData.xml	2,613 KB XML File	Thu, 29 Dec 2011 15:45:16 GMT	
🖬 UICDS.spp	13 KB File	Sun, 01 Jan 2012 08:31:24 GMT	
📰 blueCross.png	1 KB PNG image	Thu, 29 Dec 2011 16:10:54 GMT	
and doc kml	3 KR KMI File	Fri 13 Jan 2012 20:06:05 GMT	•
Attach Upload			
File name :			
			Browse_ Upload

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'.



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

Attach	Upload			
File name :	blueCross.pr	ng		
			Browse	Upload
				il X

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.

Click '+' to add share. Press Appl	y to confirm.
+ 🔕 Abbeville	
+ 💽 Aiken	
+ 🛞 Anderson	
+ 🕲 Beaufort	
+ 📵 Berkeley	
+ OCharleston	

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'

File	Edit	View	Tools	Add	Help
Open			Ctrl+0		
Save				•	
Re	Revert				
En	Email				
Sh	are / Po	ost			
View in Google Maps			Ctrl+Alt	+M	
Print				Ctrl+P	
Import					
Add Database					
Server Log Out					
Disable auto-login					
Sign into Earth Builder					
Exit					

• Select 'Tools->Options'

Tools	Add	Help			
Rule	Ruler				
Tabl	Table				
GPS	GPS				
Regionate					
Ente	Enter Flight Simulator Ctrl+Alt+A				
Options					

- Select the Cache tab;
- Click on 'Delete cache file'; then select 'Apply' and 'OK'

S Google Earth Options	? ×
3D View Cache Touring Navigation General	
Maximum memory cache size is dependent on the amount of physical memory installed on this syste Disk cache size may be up to 2000MB.	m.
Memory Cache Size (MB): 500	
Disk Cache Size (MB): 2000	
Clear memory cache	
To delete the cache file, you need to be logged out. Delete cache file	
Restore Defaults OK Cancel	Apply

Close Google Earth

Step 2: Start Internet Explorer

• Select 'Tools->Delete browsing history'

Tool		Help	
	Delete browsing history		Ctrl+Shift+Del
	InPrivate Browsing		Ctrl+Shift+P
	Tracking Protection		
	ActiveX Filtering		
	Di	agnose connection problems	
	Re	eopen last browsing session	
	A	dd site to Start menu	
	Vi	ew downloads	Ctrl+J
	Po	op-up Blocker	*
	Sr	martScreen Filter	*
	М	anage add-ons	
	С	ompatibility View	
	C	ompatibility View settings	
	Su	ubscribe to this feed	
	Fe	eed discovery	+
	W	indows Update	
	F1	2 developer tools	
	Sk	type Click to Call	
	0	neNote Linked Notes	

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