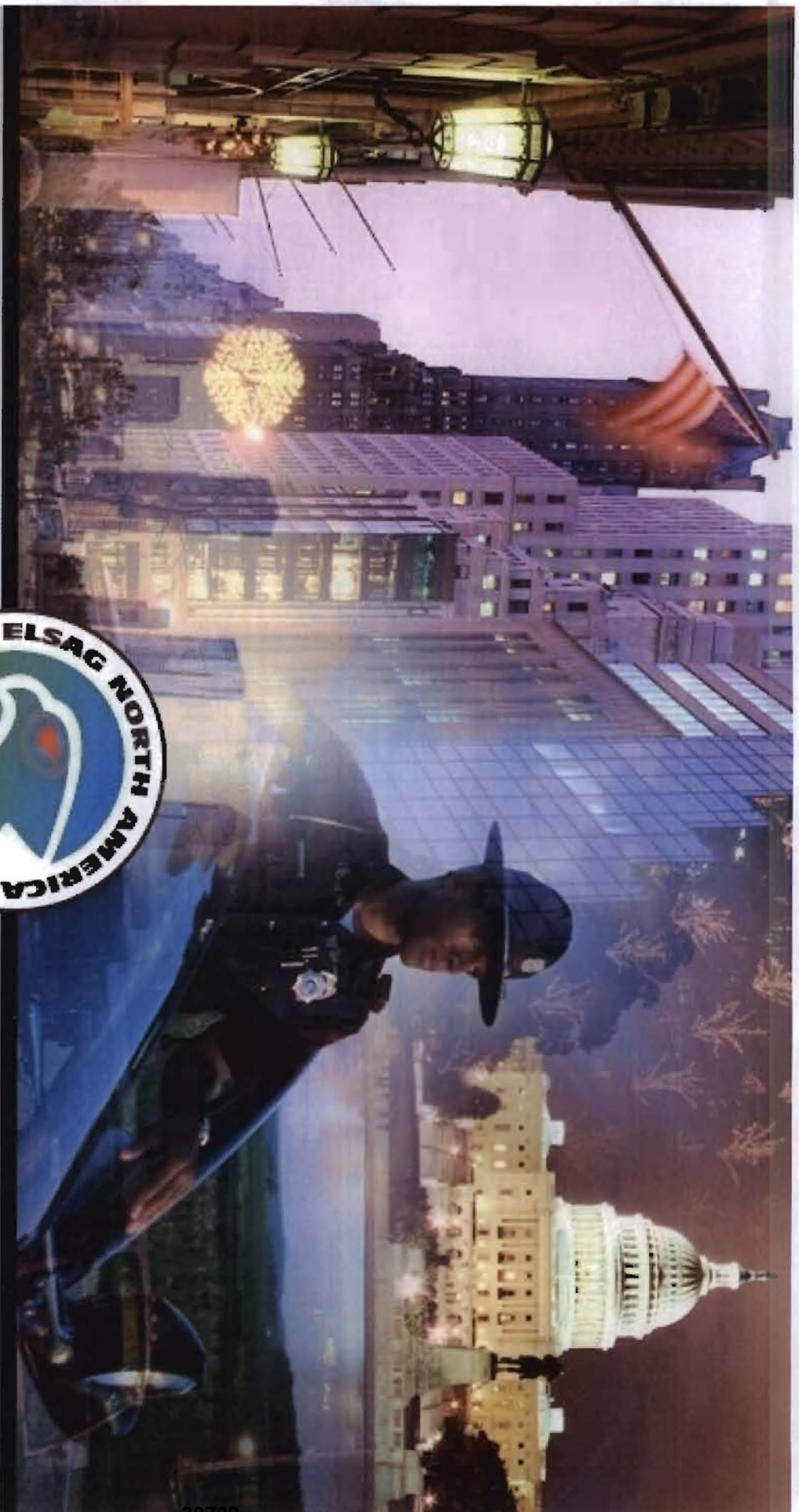
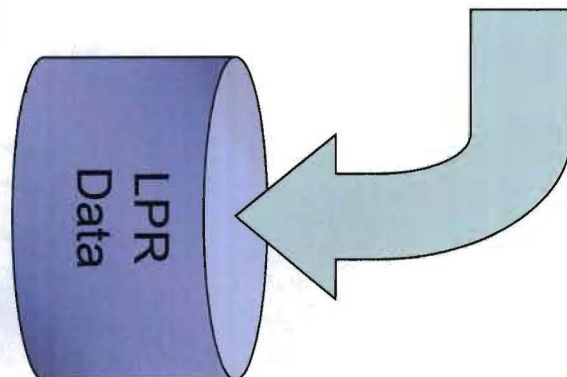




ELSAG Operations Center Training

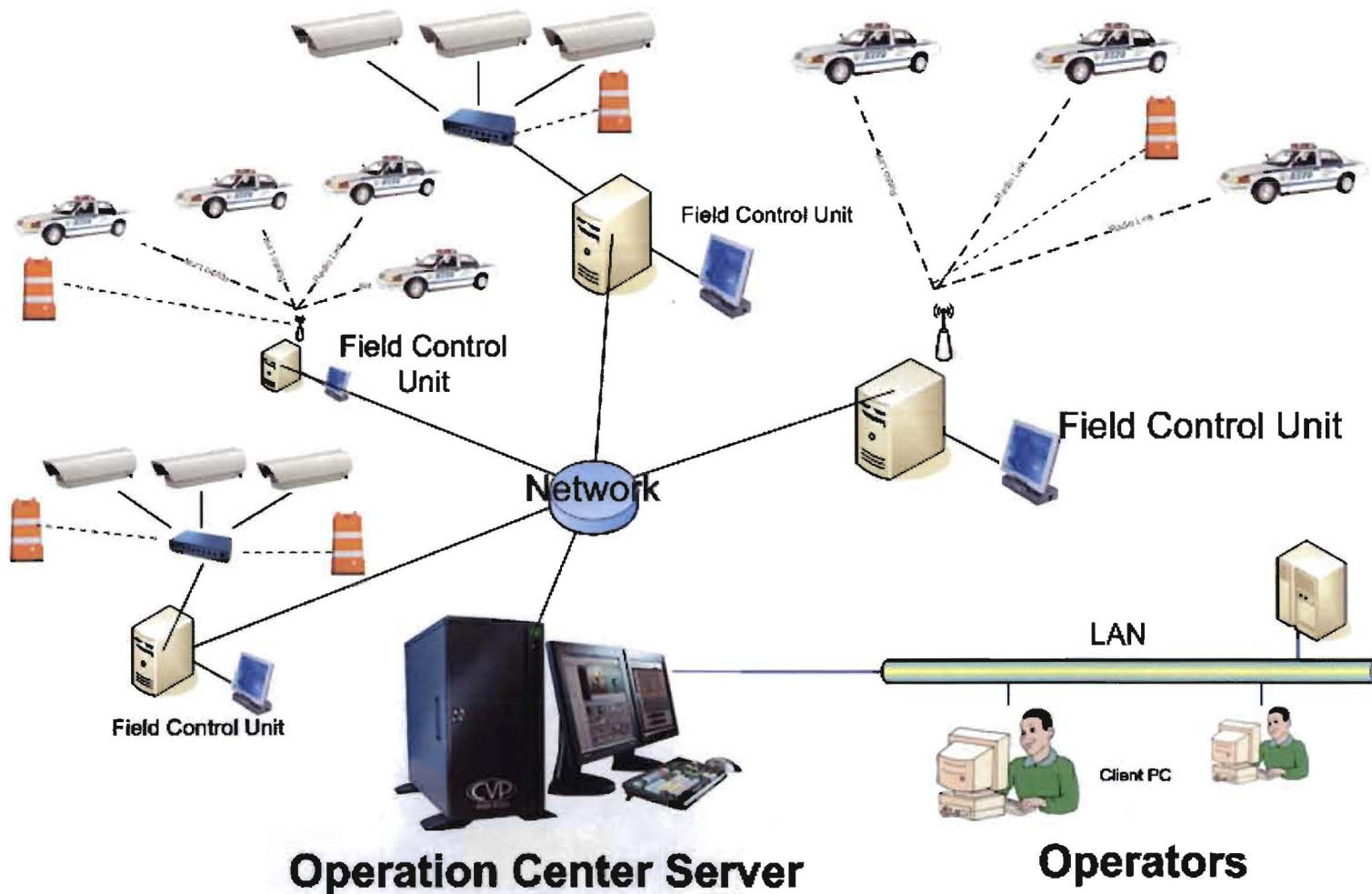
LPR Basics



ELSAG Operations Center



Operations Center is able to coordinate hundreds of fixed and mobile LPR devices in real time at a customer agency.



EOC Overview



- Storage and Query of Reads
 - Query plate information
 - Perform analytics on plate data
 - Statistics
- Hotlist Management
 - Add and remove plates from hotlists
 - Combines hotlist components
- Manage system and cameras

Server Access



- [http://\[ServerIP\]/Operational_Center](http://[ServerIP]/Operational_Center)



Dashboard



Car download status

Object Name	Type	Operation	Start Time	End Time	N.files to transfer	N. trasferred files	Last file on car	Last transferred file
Car#1	Completed	HotList	2009/07/08 07:57:12	2009/07/08 07:57:38		0	20090707080049hu_00001.bl	
Car#1	Aborted	Img	2009/07/07 23:06:21		51	0		
Car#1	Completed	Reads	2009/07/07 23:05:32	2009/07/07 23:05:48	1	1		Car_00001_20090707000055.zip
Car#3	Completed	HotList	2009/07/01 14:17:44	2009/07/01 14:17:50		0	20090701080047hu_00001.bl	
Car#22	Completed	HotList	2009/07/08 07:15:22	2009/07/08 07:15:51		0	20090707080049hu_00001.bl	
Car#41	Completed	HotList	2009/07/08 05:59:49	2009/07/08 06:00:14		0	20090707080049hu_00001.bl	
LCSO_Car#8	Completed	HotList	2009/07/03 08:30:52	2009/07/03 08:31:07		1	20090702080051hu_00001.bl	20090703080045hu_00001.zip
LCSO_Car#8	Aborted	Img	2009/07/03 08:33:24		195	97		
LCSO_Car#8	Completed	Reads	2009/07/03 08:32:24	2009/07/03 08:33:19	48	48		Car_00050_20090703000000.zip

- Overview of data transfer status between server and cars
- Hotlist – Completed, Aborted, Failed
 - Date and time of last transfer
 - Last file on Car
- Images – Completed, Aborted, Failed
 - N. files to transfer – number of files on the car that need to go to server
 - N. transferred files – how many files actually made it to server
- Reads – Completed, Aborted, Failed

Alarms



Mozilla Firefox

File Edit View History Bookmarks Tools Help

http://166.161.247.215/Operational_Center/index.jsp

http://10.103.3.100..._Center/index.jsp geocoder.us: a free US geocoder http://166.161.2...enter/index.jsp

MPH300
Mobile Plate Hunter 900 Series

Alarms count: 1/1

75T568 - MD

System admin
Change password

Diagnostic

- Manual Trouble Insertion
- Trouble Management
- Email Address
- Diagnostic Applet

Query/Statistics

Hot List Management

User Config

Data Mining

Parameters Management

Done

start 3 Microsoft Office D... Mozilla Firefox 5 Windows Explorer ELSAG PowerPoint Te... Search Desktop 11:25 AM

Transit Date and Time: 2009/07/08 11:03:17

Reader: 3rd St. Tunnel SB

Vehicle type: Pending Alarm

Transit status: Pending Alarm

License Plate: 75T568 State: MD

License Plate	State	Alarm Class	Agency	NOTES
75T568	MD	01	External	#1 Stolen Vehicle 2010TK2007FORD PKWHI512812B40DCMPD000020090622

Statistics



MPH300
Mobile Plate Hunter 900 Series

Statistics

Alarms count:

START	Day	07	Month	07	Year	2009
END	Day	08	Month	07	Year	2009

Find

- To display statistics, simply choose a start and end date

Statistics



Statistics

START	01/07/2009 00:00
END	08/07/2009 23:59

Car#1

DATE	READS TOTAL	ACCEPTED ALARMS	REJECTED ALARMS
2009/07/02	3565	0	4
2009/07/03	3296	4	13
2009/07/04	1562	0	1
2009/07/05	2711	0	7
2009/07/06	2977	0	9
2009/07/07	2795	1	5
TOTAL	16906	5	39

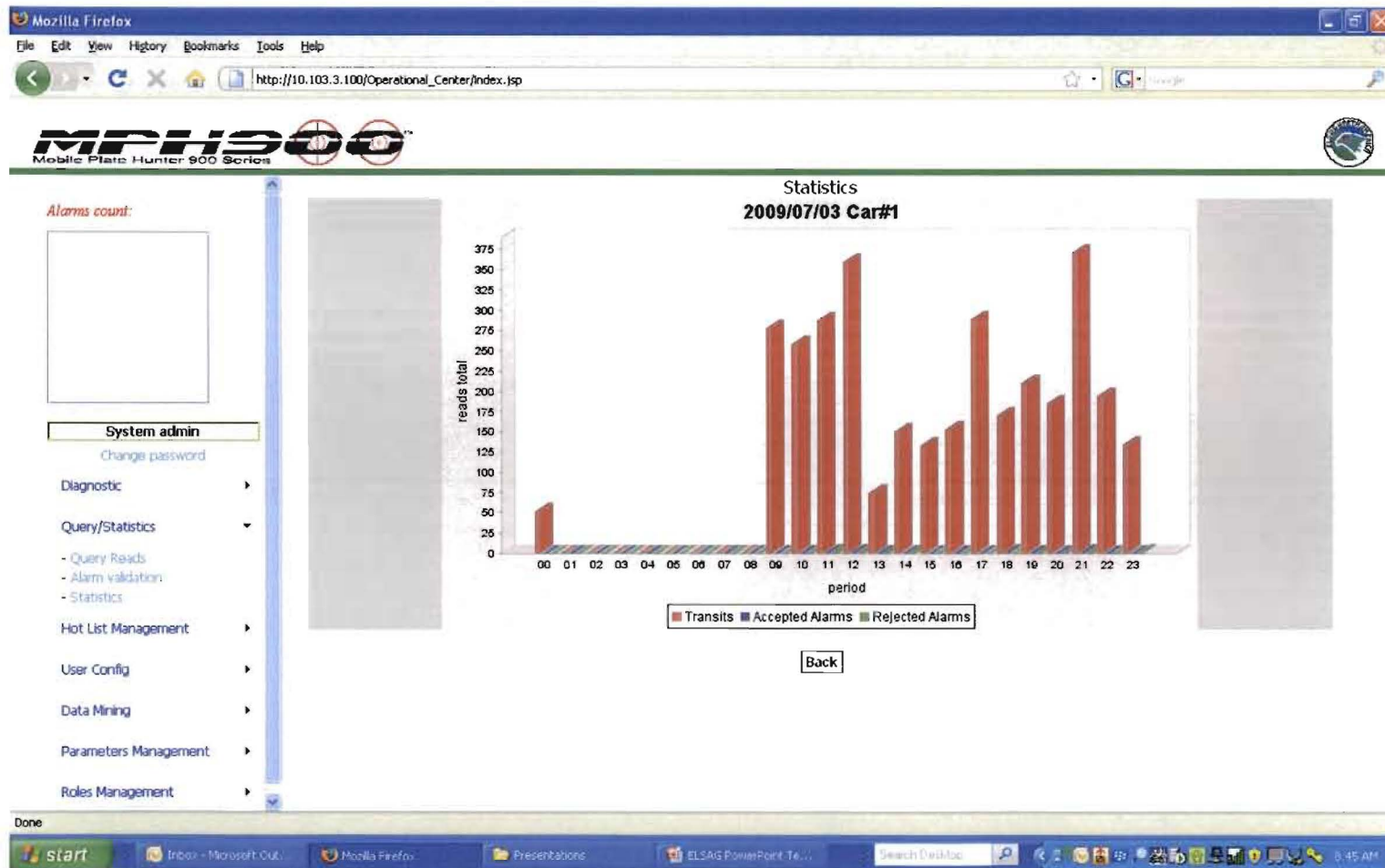
LCSC0_Car#8

DATE	READS TOTAL	ACCEPTED ALARMS	REJECTED ALARMS
2009/07/01	1304	0	0
2009/07/02	1695	0	0
2009/07/03	6	0	0
TOTAL	3005	0	0

TOTAL	ACCEPTED ALARMS	REJECTED ALARMS
19911	5	39

[Back](#)
[Export](#)

Statistics



Query Page



- Query plate read data
 - Time and Date
 - Full or Partial Plate
 - Per car
 - Per Alarm Type and/or Class
 - Via map
 - Via Location Radius

The screenshot shows the web interface of the MPH900 Mobile Plate Hunter 900 Series. The browser window is Mozilla Firefox, displaying the URL http://10.103.3.100/Operational_Center/index.jsp. The page has a green header with the "MPH900" logo and "Mobile Plate Hunter 900 Series" text. On the left is a sidebar menu with options: System admin, Diagnostic, Query/Statistics (selected), Hot List Management, User Config, Data Mining, Parameters Management, and Roles Management. The main content area is titled "Query Reads" and contains a form for searching plate reads. The form includes fields for START and END dates (Day, Month, Year, Hour, Minutes), License Plate, State, Reader (a dropdown list with options like Car#1, Car#20, etc.), Transit status, Alarm Class (a dropdown list with options like Deferred Alarm, Expired Alarm, etc.), and a section for geographic search with "Cartographic Tool" and "Geographic Coordinates" (Latitude, Longitude, Radius) options. At the bottom, there are "Find" and "Show thumbnails image" buttons. The Windows taskbar at the bottom shows the start button and several open applications.

Query



- Step 1 choose a start and end date and time

START	Day	07	Month	07	Year	2009	Hour	08	Minutes	45
END	Day	08	Month	07	Year	2009	Hour	09	Minutes	00

- Step 2 (optional) choose a full or partial plate and/or state

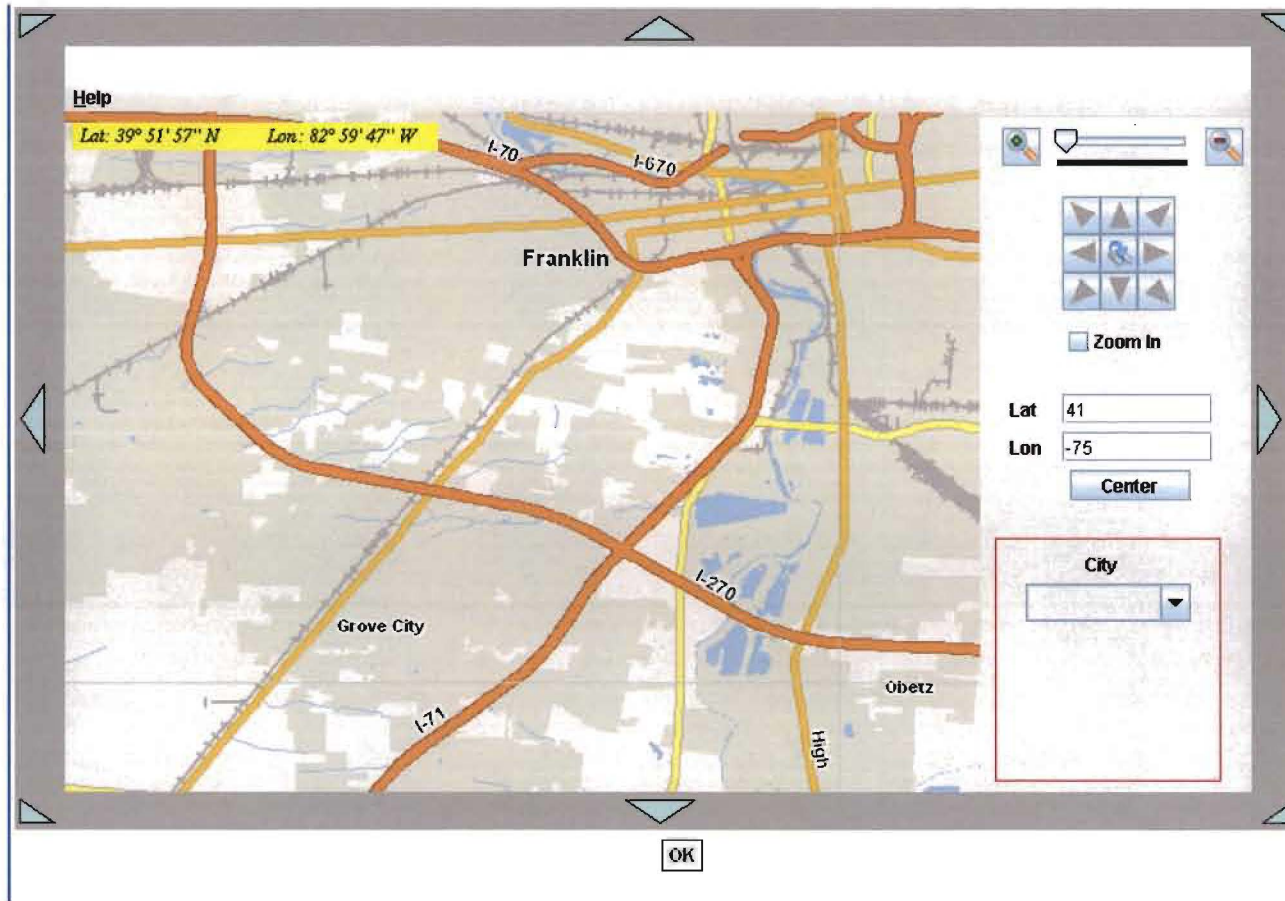
License Plate State

Do Not Fill In State

- Step 3 (optional) choose a car or transit type. If nothing is selected all cars and transit types are included. If alarm type is chosen further filtering via Alarm Class is possible.

Reader	Car#1 Car#20 Car#22 Car#3 Car#31 Car#32 Car#33 Car#41 FCSO_Truckbox LCSO_Car#8	Transit status	Deferred Alarm Expired Alarm Rejected Alarm Normal Transit Pending Alarm Accepted Alarm	Alarm Class	
--------	---	----------------	--	-------------	----------------------

Advanced Query



- Choose a map view to limit queries to specific map area

Advanced Query



Geographic Coordinates

Latitude Longitude Radius (Miles)

- Limit queries to a specific radius from a Lat/Long point
- Use geo-coding website such as <http://geocoder.us> to get Lat/Long from an address.
- Once all parameters are chosen, click on Find button
- Check Show thumbnail images to see a preview of the car in display

☐ Show thumbnails image



MPH900

Mobile Plate Hunter 900 Series

Alarms count:



System admin

[Change password](#)

[Diagnostic](#)

[Query/Statistics](#)

- [Query Reads](#)
- [Alarm validation](#)
- [Statistics](#)

[Hot List Management](#)

[User Config](#)

[Data Mining](#)

[Parameters Management](#)

	06/07/2009 10:13:51	UCR1[5S]T0	Normal Transit	?	Car#1
	06/07/2009 10:14:10	[RB]EEV	Normal Transit	?	Car#1
	06/07/2009 10:14:10	CHURCH	Normal Transit	?	Car#1
	06/07/2009 10:14:11	[8B]APT[1VY]ST	Normal Transit	?	Car#1
	06/07/2009 10:14:11	EH39MU	Normal Transit	?	Car#1
		D206XP	Normal Transit	?	Car#1
		EMR7951	Normal Transit	?	Car#1
		DHV4119	Normal Transit	?	Car#1
		EPB2435	Normal Transit	?	Car#1
	06/07/2009 10:14:38	1454[B8]R[0Q]	Normal Transit	?	Car#1

[Previous](#)

Page 3

[Next](#)

[27 - 39]

javascript:OpenSession('Controller?action=queryallarmi&action_function=veditransito&index=34')



Mozilla Firefox

http://166.161.247.215/Operational_Center/Controller?action=queryallami&action_function=veditransito&index=11

MPH900
Mobile Plate Hunter 900 Series
Number of elements : 244

[12]

Transit Date and Time 07/07/2009 12:00:56 Reader 3rd St. Tunnel SB Vehicle type Transit status Normal Transit

! License Plate: INTENS State: ?

javascript:ElaboraImagine('/Operational_Center/elaboraImagine/elaboraImagine.jsp?img=/Operational_Center/MostraImagineTransito?filename=/IMAGES/000011200/20090707/00001120020090707120056C9P4.jpg')

start EOC_Training_07080... Mozilla Firefox Mozilla Firefox Search Desktop 12:14 PM



- Output data to html or text

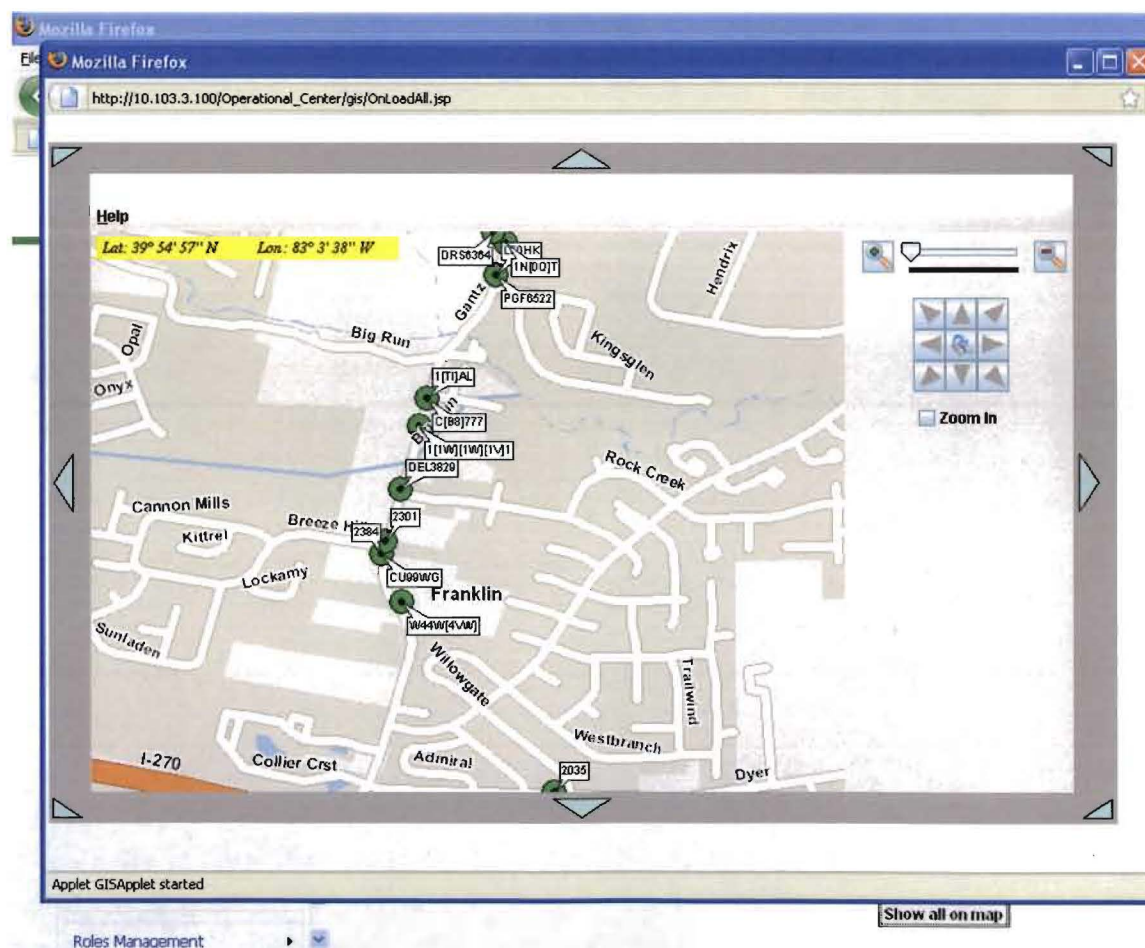


Transit Date and Time	License Plate	Transit status	State	Reader	Latitude	Longitude	Image
07/07/2009 10:22:20	2035	Expired Alarm	?	Car#1	39.900421142578125	-83.04790496826172	12
07/07/2009 10:23:23	W44W[4VW]	Normal Transit	?	Car#1	39.90569305419922	-83.05215454101562	12
07/07/2009 10:23:30	2384	Normal Transit	?	Car#1	39.90700149536133	-83.05269622802734	12
07/07/2009 10:23:30	CU99WG	Normal Transit	?	Car#1	39.90700149536133	-83.05269622802734	12
07/07/2009 10:23:35	2301	Normal Transit	?	Car#1	39.9073486328125	-83.0525894165039	12
07/07/2009 10:23:40	DEL3829	Normal Transit	?	Car#1	39.908775329589844	-83.05216217041016	12
07/07/2009 10:23:50	1[1W][1W][1V]1	Normal Transit	?	Car#1	39.91051483154297	-83.0516586303711	12
07/07/2009 10:23:55	C[B8]777	Normal Transit	?	Car#1	39.91128921508789	-83.05145263671875	12
07/07/2009 10:23:56	1[TI]AL	Normal Transit	?	Car#1	39.91128921508789	-83.05145263671875	12
07/07/2009 10:24:18	LF0HK	Normal Transit	?	Car#1	39.91470718383789	-83.04953002929688	12

Transit Date and Time	License Plate	Transit status	State	Reader	Latitude	Longitude	Image
07/07/2009 10:22:20	2035	Expired Alarm	?	Car#1	39.900421142578125	-83.04790496826172	12
07/07/2009 10:23:23	W44W[4VW]	Normal Transit	?	Car#1	39.90569305419922	-83.05215454101562	12
07/07/2009 10:23:30	2384	Normal Transit	?	Car#1	39.90700149536133	-83.05269622802734	12
07/07/2009 10:23:30	CU99WG	Normal Transit	?	Car#1	39.90700149536133	-83.05269622802734	12
07/07/2009 10:23:35	2301	Normal Transit	?	Car#1	39.9073486328125	-83.0525894165039	12
07/07/2009 10:23:40	DEL3829	Normal Transit	?	Car#1	39.908775329589844	-83.05216217041016	12
07/07/2009 10:23:50	1[1W][1W][1V]1	Normal Transit	?	Car#1	39.91051483154297	-83.0516586303711	12
07/07/2009 10:23:55	C[B8]777	Normal Transit	?	Car#1	39.91128921508789	-83.05145263671875	12
07/07/2009 10:23:56	1[TI]AL	Normal Transit	?	Car#1	39.91128921508789	-83.05145263671875	12
07/07/2009 10:24:18	LF0HK	Normal Transit	?	Car#1	39.91470718383789	-83.04953002929688	12
07/07/2009 10:24:18	PGF6522	Normal Transit	?	Car#1	39.91470718383789	-83.04953002929688	12
07/07/2009 10:24:25	1N[0Q]T	Normal Transit	?	Car#1	39.91558074951172	-83.04926300048828	12
07/07/2009 10:24:37	DR36364	Normal Transit	?	Car#1	39.915916442871094	-83.0495834350586	12



- Show all query data on a map

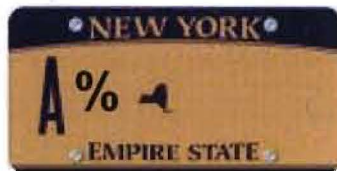


Advanced Query



- **Partial Plate wildcard characters**

- % = General wildcard – any number of any character
- @ = Letter specific wildcard – single character, any letter
- # = Number specific wildcard – single character, any number



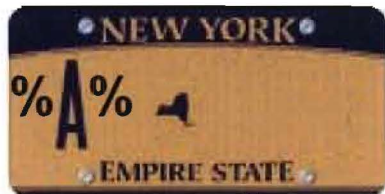
A% - *Every* plate that starts with "A"



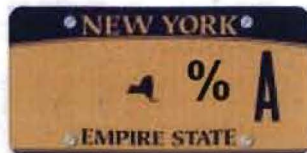
Your Entry



Your Query Result

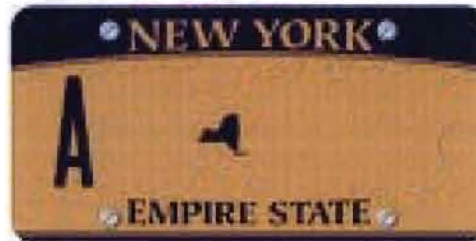


%A% - *Every* plate that has "A" in the middle



%A - *Every* plate that ends in "A"

Advanced Query



A@@@###

Every plate that starts with “A” where the next two characters are letters and the next four are numbers.

Remembering for Query purposes only

- % = General wildcard** - any number of any character
- @ = Letter specific wildcard** - single character, any letter
- # = Number specific wildcard** - single character, any number

Data Mining



Cross Search

Analyze plate data from two separate time frames

Duplicate

Unique in FIRST

Unique in SECOND

Show unique plates in each time frame

Show duplicates in both time frames

Investigative Examples;
Great for arson, burglary, assault investigations

Cross Search



Step 1 – Choose the first time period using standard query tools

Mozilla Firefox

File Edit View History Bookmarks Tools Help

http://10.103.3.100/Operational_Center/index.jsp

http://10.103.3.100..._Center/index.jsp | geocoder.us: a free US geocoder | http://10.103.3....Center/index.jsp

MPH900
Mobile Plate Hunter 900 Series

ELSAG NORTH AMERICA LAW ENFORCEMENT SYSTEMS

Alarms count:

System admin
Change password

Diagnostic

Query/Statistics

Hot List Management

User Config

Data Mining

- Cross search

- Nested & Convo Search

Parameters Management

Roles Management

Query Reads
Step 1

START Day 07 Month 07 Year 2009 Hour 09 Minutes 45

END Day 08 Month 07 Year 2009 Hour 10 Minutes 00

License Plate State

Reader

Car#1
Car#20
Car#22
Car#3
Car#31
Car#32
Car#33
Car#41
FCSO_Truckbox
LCSO_Car#8

Transit status

Deferred Alarm
Expired Alarm
Rejected Alarm
Normal Transit
Pending Alarm
Accepted Alarm

Alarm Class

☐ Cartographic Tool

☐ Geographic Coordinates

Latitude Longitude Radius (Miles)

Step 1 Step 2 Step 3

http://10.103.3.100/Operational_Center/Controller?action=datamining&action_function=cross_search

start | Inbox - Micros... | Mozilla Firefox | DOC | ELSAG PowerP... | 10.103.3.100 | EDC_Instalati... | Search Desktop | 10:01 AM

Cross Search



Step 3 – Choose “Unique in first”, “Unique in second”, or “Duplicates”

The screenshot shows a web browser window displaying the MPH900 Mobile Plate Hunter 900 Series interface. The browser's address bar shows the URL http://10.103.3.100/Operational_Center/Index.jsp. The interface includes a sidebar with navigation links such as System admin, Diagnostic, Query/Statistics, Hot List Management, User Config, Data Mining, Parameters Management, and Roles Management. The main content area is titled 'Data Mining' and contains two query sections: 'Query 1' and 'Query 2'. Query 1 has a START time of 07/07/2009 09:45 and an END time of 08/07/2009 10:00. Query 2 has a START time of 07/07/2009 10:00 and an END time of 08/07/2009 10:15. Below the queries, there are checkboxes for 'Show Images Preview' and buttons for 'Unique in first', 'Unique in second', and 'Duplicates'. At the bottom, there are buttons for 'Step 1' and 'Step 2'. The Windows taskbar at the bottom shows the start button, several open applications, and the system clock indicating 10:03 AM.

Convoy



Given a target plate – the system looks for other plates frequently seen “near” that target. Starts with a basic query of the target plate.

MPH900
Mobile Plate Hunter 900 Series

Alarms count: []

System admin
Change password

Diagnostic

Query/Statistics

Hot List Management

User Config

Data Mining

Parameters Management

Roles Management

START 05/07/2009 10:00
END 06/07/2009 10:15
License Plate @@@###

Number of elements: 1084

Image	Transit Date and Time	License Plate	Transit status	State	Reader	Alarm Class	Convoy Analysis
	05/07/2009 11:36:28	EEF1395	Normal Transit	?	Car#1		
	05/07/2009 11:36:36	DYP7042	Normal Transit	?	Car#1		
	05/07/2009 11:36:45	CAS4531	Normal Transit	?	Car#1		
	05/07/2009 11:36:48	ENE9636	Normal Transit	?	Car#1		
	05/07/2009 11:37:15	EMD4720	Normal Transit	?	Car#1		
	05/07/2009 11:37:53	EP21517	Normal Transit	?	Car#1		
	05/07/2009 11:37:55	D108280	Normal Transit	?	Car#1		
	05/07/2009 11:38:45	D108088	Normal Transit	?	Car#1		

Done



MPH500
Mobile Plate Hunter 500 Series
Wednesday, August 25, 2010 17:27:30

Alarms count: 8/138

- EXG5358 - NY
- ELL7528 - NY
- T516095C - NY
- EMJ6758 - NY
- EAU4476 - NY

Home
System admin
Change password

Diagnostic
Query/Statistics
Hot List Management
User Config
Data Mining
Cross search
Nested & Convoy Search
Parameters Management
Roles Management
Download

Query Results.
Data Mining
Query Results.
License Plate : AMN9820

Number of elements	License Plate
22	EDP4
22	DEP6107
20	DVP4928
20	CDE1059
19	BK17332
19	CZY8109
19	AY24453
18	DYS7375
17	DWT1225
17	DWB2177
16	DEP6534
16	ATHH451
15	BNN9329
15	CP23559
14	BRU3330
13	DEB3186
11	64276.E
11	BTZ1289
11	DEB3578
11	L74504

Image

Number of elements

Alarm Class

Convoy Analysis

23/07/2010 11:16:20 AMN9820 Normal Transit NY FDU Whitehall and Water FLPR27

22/07/2010 14:39:31 AMN9820 Normal Transit NY FDU Brooklyn Bdg MB FLPR01

21/07/2010 14:09:31 AMN9820 Normal Transit NY FDU Brooklyn Bdg MB FLPR01

Page 1

Back File Export Export Html file Show all on map

Nested and Convoy



- Detailed results show the pairs of target and new contact reads
- Can be useful in finding drug and gang networks

The screenshot displays the MPH300 software interface. The main window shows a list of vehicle contacts with columns for date, time, vehicle ID, status, and location. The sidebar on the left contains a navigation menu with options like Home, System admin, Diagnostic, Query/Statistics, Hot List Management, User Config, Data Mining, and Download. The bottom of the interface shows a status bar with page information and buttons for Back, File Export, Export HTML file, and Show all on map.

Date	Time	Vehicle ID	Status	Location
02/08/2007	12:41:58	AMN9820	Normal Transit	Bronx task force 1587 15
02/08/2007	12:42:05	DVP4928	Normal Transit	Bronx task force 1587 15
28/11/2007	09:49:53	DVP4928	Normal Transit	Brooklyn North ALU B894 66
28/11/2007	09:49:56	AMN9820	Normal Transit	Brooklyn North ALU B894 66
26/12/2007	16:22:07	AMN9820	Normal Transit	Auto Dine RV2 25
26/12/2007	16:22:15	DVP4928	Normal Transit	Auto Dine RV2 25
04/01/2008	11:02:26	DVP4928	Normal Transit	Brooklyn North TF 2148 16
04/01/2008	11:02:29	AMN9820	Normal Transit	Brooklyn North TF 2148 16
04/01/2008	23:59:16	DVP4928	Normal Transit	Brooklyn South ALU B887 5
04/01/2008	23:59:18	AMN9820	Normal Transit	Brooklyn South ALU B887 5
09/01/2008	12:15:11	AMN9820	Normal Transit	Lau vehicle 99999

Hotlist Management



- The EOC supports up to 20 independent external hotlist files/sources. These can be assigned by the administrator and can allow different groups in a department to have separate lists that they maintain that all feed into the common list.
- The EOC handles consolidating these lists so that they can be updated on different schedules
- Detectives can have use the browser to load their component of the hot list.

Hotlist Management



Export Hot List

- Export a hotlist

Hot list ready to be exported



 Wait please...

- Insert/Delete plate – this is where you can add a plate to the hotlist.

Insert Hot List

Insert Delete HL

Delete Hot List

License Plate

State

Notes

Alarm Class

Insert Hot List

Hotlist Management



- Show plates in hotlist – look up a plate to see if it appears in the hotlist.

Mozilla Firefox

File Edit View History Bookmarks Tools Help

http://10.103.3.100/Operational_Center/index.jsp

http://10.103.3.100...l_Center/index.jsp | geocoder.us: a free US geocoder | http://10.103.3....Center/index.jsp

MPH900
Mobile Plate Hunter 900 Series

Result query in hot list

Alarms count:

System admin
Change password

Diagnostic

Query/Statistics

Hot List Management

- Export Hot List
- Insert Delete HL
- Show Hot List
- Hot List Import Status
- Hot list Import Status history

Number of elements: 18246

License Plate	State	Insertion Date	License Plate Class	Owner	NOTES
00000000	OH	2009/07/08	00	External	Date time stamp - Hotlist file created Wed 07/08/2009
0026K9	OH	2009/07/08	03	External	#3 STOLEN PLATE! 07/07/2007 06/29/2009 OH0800100 P134098018
002D4EB	OH	2009/07/08	03	External	#3 STOLEN PLATE! 07/07/2007 06/04/2009 OH0090200 P624054431
002L1HE	OH	2009/07/08	03	External	#3 STOLEN PLATE! 07/07/2007 01/01/2009 OH0131600 P253982159
002T2K8	OH	2009/07/08	03	External	#3 STOLEN PLATE! 07/07/2007 06/29/2009 OH0220200 P584114556
003D4EB	OH	2009/07/08	03	External	#3 STOLEN PLATE! 07/07/2007 06/04/2009 OH0090200 P834068674
0046K9	OH	2009/07/08	03	External	#3 STOLEN PLATE! 07/07/2007 06/29/2009 OH0800100 P504091110
0056K9	OH	2009/07/08	03	External	#3 STOLEN PLATE! 07/07/2007 06/29/2009 OH0800100 P834091869
005T2K8	OH	2009/07/08	03	External	#3 STOLEN PLATE! 07/07/2007 06/29/2009 OH0220200 P714123116
0076K9	OH	2009/07/08	03	External	#3 STOLEN PLATE! 07/07/2007 06/29/2009 OH0800100 P114067089
007D4EB	OH	2009/07/08	03	External	#3 STOLEN PLATE! 07/07/2007 06/04/2009 OH0090200 P594085691
0086K9	OH	2009/07/08	03	External	#3 STOLEN PLATE! 07/07/2007 06/29/2009 OH0800100 P144080097
008D4EB	OH	2009/07/08	03	External	#3 STOLEN PLATE! 07/07/2007 05/20/2009 OH0090200 P354081737

Page 1

Next

Back

Hotlist Management



- Hotlist Status – results of the last hotlist load

Import Status

NAME	VALUE
FILE NAME	20090708 75904hr.bl
START DT	2009/07/08 07:59:05
END DT	2009/07/08 08:00:55
PHASE 1 STATUS	Ok
PHASE 1 ELAPSED	82
PHASE 1 %	100%
PHASE 2 STATUS	Ok
PHASE 2 ELAPSED	18
PHASE 2 %	100%
PHASE 3 STATUS	Ok
PHASE 3 ELAPSED	7
PHASE 3 %	100%

Hotlist Management



- Hotlist import history – shows the results of all recent hotlist changes – can be useful in troubleshooting

START	01/07/2009 10:45
END	08/07/2009 11:00
Import type	hot

FILE NAME	START DT	END DT	PHASE 1 STATUS	PHASE 1 %	PHASE 2 STATUS	PHASE 2 %	PHASE 3 STATUS	PHASE 3 %	STATUS
2009070275904hr.bl	2009/07/02 07:59:08	2009/07/02 08:00:59	Ok	100	Ok	100	Ok	100	completed
2009070375904hr.bl	2009/07/03 07:59:06	2009/07/03 08:00:53	Ok	100	Ok	100	Ok	100	completed
2009070475904hr.bl	2009/07/04 07:59:06	2009/07/04 08:00:55	Ok	100	Ok	100	Ok	100	completed
2009070575904hr.bl	2009/07/05 07:59:08	2009/07/05 08:01:00	Ok	100	Ok	100	Ok	100	completed
2009070675904hr.bl	2009/07/06 07:59:09	2009/07/06 08:00:58	Ok	100	Ok	100	Ok	100	completed
2009070775904hr.bl	2009/07/07 07:59:06	2009/07/07 08:00:58	Ok	100	Ok	100	Ok	100	completed
2009070875904hr.bl	2009/07/08 07:59:05	2009/07/08 08:00:55	Ok	100	Ok	100	Ok	100	completed

Back

Server Management - Users



- Diagnostic Applet

http://10.184.40.6/Operational_Center/diagnostico/AppletDiagnostico.jsp - Windows Internet Explorer

http://10.184.40.6/Operational_Center/diagnostico/AppletDiagnostico.jsp

System status		Car download status		Errors table				
Object Name	Type	Operation	Start Time	End Time	N.files to transfer	N. trasferred files	Last file on car	Last transferred file
105th Precinct ...		Reads	2010/09/09 23:1...	2010/09/09 23:1...	1	1		Car_00081_201...
114th Precinct ...		HotList	2010/09/10 00:3...	2010/09/10 00:3...		0	2010090918012...	
114th Precinct ...		Img	2010/09/10 00:3...		5	2		
114th Precinct ...		Reads	2010/09/10 00:3...	2010/09/10 00:3...	5	5		Car_00082_201...
109th Precinct ...		Fences	2010/09/10 04:2...	2010/09/10 04:2...		0	2000010100000...	
109th Precinct ...		HotList	2010/09/10 04:2...	2010/09/10 04:2...		0	2010090918012...	
109th Precinct ...		Img	2010/09/10 04:2...	2010/09/10 04:2...	1	1		
109th Precinct ...		Reads	2010/09/10 04:2...	2010/09/10 04:2...	1	1		Car_00083_201...
104 Precinct		Fences	2010/09/10 04:1...	2010/09/10 04:1...		0	2000010100000...	
104 Precinct		HotList	2010/09/10 04:1...	2010/09/10 04:1...		0	2010090918012...	
104 Precinct		Img	2010/09/10 04:1...		16	0		
104 Precinct		Reads	2010/09/10 04:1...	2010/09/10 04:1...	16	16		Car_00086_201...

Completed
 InProgress
 Aborted

FileZilla server | http://10.184.40.6/Oper... | http://10.184.40.6/Oper...

Server Management - Users



- Add a new user

Add New User

User Name	
Password	
Confirm Password	
Description	
Role	Maintenance Maintenance System Admin User Admin Manage Alarms User
Save	

Server Management - Users



- Modify an existing user

Modify User

User Name	alarms
Personal number	38
User Name	alarms
Password	
Confirm Password	
Description	Manage Alarms
Role	Manage Alarms
User Status	☒ Enabled ☐ Disabled
Save	

Server Management - Users



- View server logs based on information level and/or user

Log Information

Type	User	Date	Message
i	systemadmin - 40	2009/07/08 08:10:01	LOGIN
i	systemadmin - 40	2009/07/08 08:10:24	UPDATE USER PROFILE
i	systemadmin - 40	2009/07/08 08:10:24	Change password
i	systemadmin - 40	2009/07/08 08:10:28	LOGIN
i	systemadmin - 40	2009/07/08 08:42:02	Statistics
i	systemadmin - 40	2009/07/08 09:16:13	Find Alarms
i	systemadmin - 40	2009/07/08 10:42:01	Find Alarms
i	systemadmin - 40	2009/07/08 10:42:54	Show Hot List
i	systemadmin - 40	2009/07/08 10:51:06	Show Hot List
i	systemadmin - 40	2009/07/08 10:56:06	Import Extern HL
i	systemadmin - 40	2009/07/08 10:56:09	Import local HL
i	systemadmin - 40	2009/07/08 11:03:03	View Logs
i	systemadmin - 40	2009/07/08 10:28:08	Find Alarms
i	systemadmin - 40	2009/07/08 10:33:02	Find Alarms
i	systemadmin - 40	2009/07/08 10:33:10	Export Html file
i	systemadmin - 40	2009/07/08 10:33:17	File Export

Server Management - Roles



- Modify menu items based on roles

Maintenance	
Remove menu	Add menu
Diagnostic ☐	Diagnostic ▶ ☐
Manual Trouble insertion	
Trouble Management	
Email Address	
Diagnostic Applet	
Query/Statistics ☐	Query/Statistics ▶ ☐
Query Reads	
Alarm validation	
Statistics	
Hot List Management ☐	Hot List Management ▶ ☐
Export Hot List	
Insert Delete HL	
Show Hot List	
Hot List Import Status	
Hot list Import Status history	
Import Extern HL	
Import local HL	
User Config ☐	User Config ▶ ☐
Modify User	
View Logs	
Add User	
	Data Mining ▶ ☐
	Parameters Management ▶ ☐
	Software management ▶ ☐
	Roles Management ▶ ☐
	Add

Server Management - Roles



- Modify individual functions per role
Maintenance

Remove functions to menu	Add function to menu
Diagnostic Manual Trouble insertion ☐ Trouble Management ☐ Email Address ☐ Diagnostic Applet ☐ Query/Statistics Query Reads ☐ Alarm validation ☐ Statistics ☐ Hot List Management Export Hot List ☐ Insert Delete HL ☐ Show Hot List ☐ Hot List Import Status ☐ Hot list Import Status history ☐ Import Extern HL ☐ Import local HL ☐ User Config ☐	Functions Email Address ☐ Email Address ☐ Activate Remote SW ☐ Activate camera SW ☐ Delete Reads ☐ Deletion ☐ View Logs ☐ View White List ☐ Add/Delete Functions ☐ Time Marks ☐ Copy and paste ☐ Create ☐ Manual Trouble insertion ☐ Add User ☐ Cross search ☐ Holidays ☐ Diagnostic ☐ Manual Trouble insertion Trouble Management

Server Management



- Parameters control – allows configuration of all the critical EOC values like data retention period.

PARAMETER NAME	DESCRIPTION	VALUE
ALARMS_DURATION_DAYS	Days before alarms data deletion	365
CONVOY_SEARCH_LENGTH	Number of vehicles in convoy search	15
DATABASE_VERSION	Database version number	2.12
DEFAULT_LANGUAGE	Default language	en_EN
DEFERRED	Delay time limit for pending alarms, if exceeded the alarm becomes deferred (minutes)	60
EMAIL_DIAG_SUBJECT	e-mail subject for trouble notification	Trouble Notification
EMAIL_HOT_ALARM_SUBJECT	e-mail subject for hotlis alarms notification	LPR Alarm
EXPIRED	Expiration time for pending alarms (minutes)	60
IMAGE_BASE_PATH	Base path for images files	D:\OperationalCenter\I
LOGS_DURATION_DAYS	Days before logs data deletion	365
MAIL_SENDER_ADDRESS	Mail sender email address	
MAIL_SERVER	Mail server address or hostname	
MODE	Law enforcement or ZTL system	SECURITY
NUM_MAX_PWD_ERROR	number of error before password lock	5
OCRS_VERSION	OCRS version number	2.12
RADIUS_LENGTH_UNIT	Miles	Miles
SHOW_PERSONAL_NUMBER	Show personal number (if true)	false
SOGLIA_SEVERITY_EMAIL	level of severity required for e-mail notification	5
STATISTICS_DURATION_DAYS	Days before statistics data deletion	100
TRANSITS_DURATION_DAYS	Days before transits data deletion	100

Parameter

ALARMS_DURATION_DAYS

Value

365

Save

Server Management



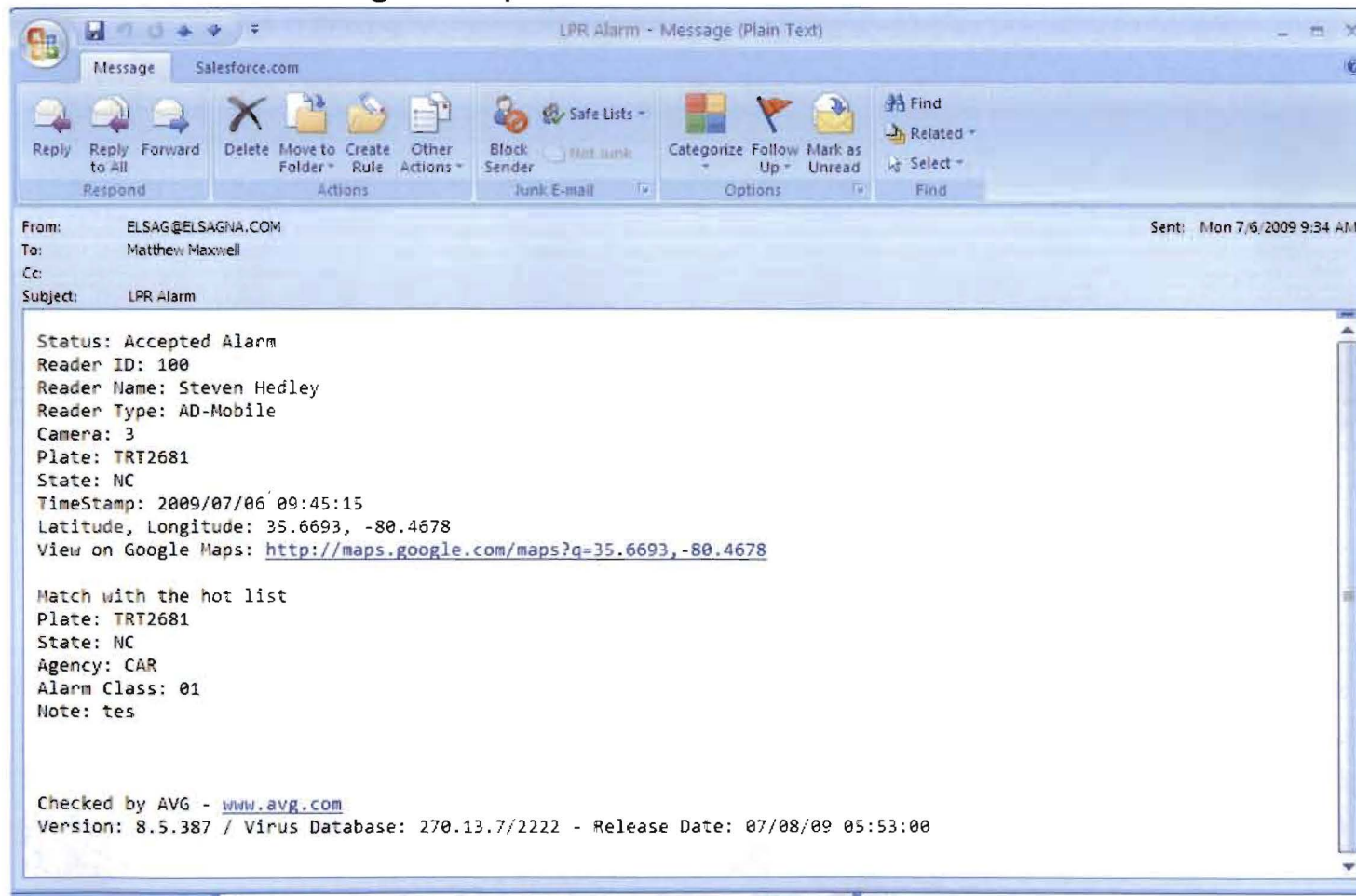
- Emails for alarm notification
 - Configurable based on alarm class

A screenshot of a web-based configuration interface. At the top, there's a header bar with "Email Address" and a "Modify" link. Below this, on the left, is a vertical sidebar with "Add new" and "Email" links. The main content area has a large text input field for the email address. Below the input field is a section labeled "Alarm Class" with a row of checkboxes numbered 00 through 10. At the bottom center is a "Save" button. On the right side, there's a yellow box titled "Email Addresses" containing the email address "matthew.maxwell@elsagna.com".

Server Management



- Email notification of alarms
- Embedded URL for Google Maps location



Trouble Management



- Simple trouble ticket system

Query Troubles

No Problem Reports!

START	Day	08	Month	05	Year	2009	
END	Day	08	Month	07	Year	2009	Disable date ☐
		Trouble Status		Open		Device	

Find

Trouble Management



- Manually insert a trouble ticket item

Manual Trouble insertion

Description		Device	Car#1	Severity	LOW
Add new					

- That trouble ticket will go to administrators email address

Email Address

[Add new](#) [Delete](#)

Type	Diagnostic
Email	
Save	

Email Addresses