



**Pennsylvania State Police  
Bureau of Records & Identification  
RIGHT-TO-KNOW OFFICE  
1800 Elmerton Avenue  
Harrisburg, Pennsylvania 17110**

SEP 06 12  
5:35P

Mailing Date: September 4, 2012

Sara Rose, Staff Attorney  
ACLU of Pennsylvania  
313 Atwood Street  
Pittsburgh, Pennsylvania 15213

PSP/RTK Request N° 2012-0369

Dear Attorney Rose:

On July 30, 2012, the Pennsylvania State Police (PSP) received your request for information pursuant to Pennsylvania's Right-to-Know Law (RTKL), 65 P.S. §§ 67.101-4104, wherein you asked for the following:

1. All records, regarding your policies, practices and procedures for procuring and using ALPR technology, and for storing, accessing and sharing data obtained through ALPR technology;
2. All records regarding the procurement of ALPR technology, including
  - a. sources of funds used to pay for ALPR technology;
  - b. invoices for the purchase of ALPR technology;
  - c. information regarding the borrowing or leasing of ALPR technology;
  - d. information regarding any pilot program involving ALPR;
  - e. local government approval for the use of purchase of ALPR technology;
  - f. interactions with vendors, suppliers and potential suppliers of ALPR technology, including materials and fact sheets supplied by vendors describing their products;
3. All records regarding the use of ALPR technology, including
  - a. what types of data are obtained;
  - b. the number of license plates scanned and/or read in a given time period (day, month, year, etc.)
  - c. the number of ALPR units or systems acquired, borrowed, or leased;
  - d. the number of vehicles equipped with ALPR technology;
  - e. for stationary deployments, the number and physical location of ALPR units;

- f. the technical capabilities of the ALPR units;
- 4. All records regarding the storage of data obtained using ALPR technology, including
  - a. what types of data are stored for any period longer than an hour;
  - b. how long data is stored;
  - c. when and how data must be discarded;
  - d. how many individual license plate scan records your agency currently stores;
- 5. All records regarding access to ALPR data, including
  - a. the legal justification required before an individual accesses ALPR data;
  - b. purposes for which the data may be accessed;
  - c. purposes for which the data may not be accessed;
  - d. who may access the data, what procedures they must go through to obtain access, and who must authorize access;
  - e. the existence or non-existence of a system that records who accesses the data and when the data is accessed;
- 6. All records regarding the sharing of data obtained through ALPR technology, including
  - a. what type of data is shared;
  - b. which database your agency puts collected ALPR data into;
  - c. third parties, governmental or private, that may access your agency's ALPR data, including what procedures third parties must go through in order to access the data and any restrictions placed on third parties regarding further sharing of your ALPR data;
  - d. any agreements to share ALPR data with outside agencies, corporations or other entities;
- 7. All records regarding obtaining ALPR data from third parties, including which databases your agency can access;
- 8. All training materials used to instruct members of your agency in ALPR deployments, data management, or operation of automated records systems that contain ALPR data to which any member of your agency has access, including regional or shared ALPR databases.

A copy of your request is enclosed. By letter dated August 6, 2012, in accordance with RTKL Section 67.902(b)(2) and 1 Pa. C.S. § 1908, you were notified that PSP required additional time to evaluate your Request and prepare this final response.

Your request is granted in part and denied in part. In response to item 1 of your request, the responsive five page record marked for identification as PSP/RTK000001-PSP/RTK000005, is enclosed. In response to item 3a, 3f, and 8 of your request, the responsive fifty-five page record marked for identification as PSP/RTK000006-

PSP/RTK000060, is enclosed. In response to item 3b of your request, the responsive one page record marked for identification as PSP/RTK00061.

However, your request is denied to the extent that these public records contain confidential proprietary information. Such information is an exempt under RTKL section 708(11) and, therefore, exempt from public disclosure. Accordingly, the PSP has redacted (obliterated) this non-public information from the requested record. A supporting verification to this effect accompanies this letter

Pursuant to the fee provisions established by the Office of Open Records, duplication fees for the records provided have been charged at \$.25 a page plus postage for a total of \$18.90. Kindly remit payment in that amount to the PSP Bureau of Records & Identification, Right-to-Know Office, 1800 Elmerton Avenue, Harrisburg, Pennsylvania 17110. All fees must be paid by certified check, bank check, or money order made payable to the "Commonwealth of Pennsylvania." We look forward to receiving your payment by October 4, 2012.

Further, please note that failure to pay for records provided in response to a RTKL request to any executive agency will preclude you from obtaining further records from another executive agency, pursuant to the provisions of section 901 of the RTKL and Section IV (D) of our agency RTKL Policy, as published on the following website, <http://openrecords.state.pa.us>.

In response to item 3d, "the number of vehicles equipped with ALPR technology," is twenty-five. In response to item 4a, the types of data stored for any period longer than an hour is the information read from the license plate. In response to item 4b, "how long data is stored", non-criminal data is stored until the end of a shift or can be stored for thirty days by the manufacturer. In response to item 4c, "when and how data must be discarded", non-criminal data is stored until the end of a shift and/or a hard delete is used. In response to item 4d, "how many individual license plate scan records your agency currently stores", these consist of only those scans related to a criminal investigation. In response to items 5a, and 5b, "the legal justification required before an individual accesses ALPR data" and "the purposes for which the data may be accessed", the only reason is for criminal prosecution. In response to item 5c, the purposes for which the data may not be accessed" is for any other reason than for criminal investigations.

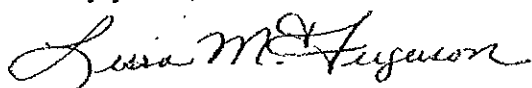
However, in response to items 2a, 2b, 2c, 2d, 2e, 2f, 3c, 3e, 5d, 5e, 6a, 6b, 6c, 6d, and 7, the PSP does not have any records such as you described in its possession, custody, or control. A verification to this effect accompanies this letter. Pursuant to the decision in *Jenkins vs. Pennsylvania Department of State*, OOR Dkt N° AP 2009-0065,: "It is not a denial of access when an agency does not possess records and [there is no] legal obligation to obtain them (see, e.g. Section 67.506 (d)(1))." Outside the RTKL, in response to item 5d, data is only accessed by individuals involved in the chain of criminal prosecution.

To the extent that your request seeks or may be construed to seek PSP records involving covert law enforcement investigations, including, intelligence gathering and

analysis, PSP can neither confirm, nor deny the existence of such records without risk of compromising investigations and imperiling individuals. UNDER NO CIRCUMSTANCES, therefore, should this response to your request be interpreted as indicating otherwise. In all events, should such records exist, they are entirely exempt from public disclosure under the RTKL and Criminal History Record Information Act (CHRIA), 18 Pa. C.S. §§ 9101-9183.

In closing, you have a right to appeal this response in writing to, Terry Mutchler, Executive Director, Office of Open Records, Commonwealth Keystone Building, 400 North Street, 4th Floor, Harrisburg, Pennsylvania 17120. The pertinent OOR appeal form is available at, <https://www.dced.state.pa.us/public/oor/appealformgeneral.pdf>. If you choose to appeal, you must do so within 15 business days of the mailing date of this response and send to the OOR: **1)** this response; **2)** your Request; and **3)** the reason why you think the record exists under the custody or control of the agency.

Sincerely yours,



Lissa M. Ferguson  
Deputy Agency Open Records Officer  
Pennsylvania State Police  
Bureau of Records & Identification  
Right-to-Know Office  
1800 Elmerton Avenue  
Harrisburg, Pennsylvania 17110  
1.877.785.7771 (Main); 717.525.5795 (Fax)

Enclosures: PSP/ RTK Request N° 2012-0369  
Granted "public record", PSP/RTK000001 – PSP/RTK000005  
Granted "public record", PSP/RTK000006 – PSP/RTK000060  
Granted "public record", PSP/RTK0000061  
Ferguson Verification

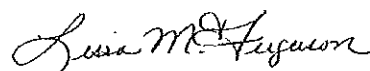
COMMONWEALTH OF PENNSYLVANIA  
PENNSYLVANIA STATE POLICE  
**INVOICE**

|                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                        |  |  |  |  |  |  |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|--|--|--|
| PLEASE MAKE CERTIFIED CHECK OR MONEY ORDER PAYABLE TO:<br><b>"Commonwealth of Pennsylvania"</b><br>MAIL TO: Pennsylvania State Police<br>Right-to-Know Law Office<br>1800 Elmerton Avenue<br>Harrisburg, Pennsylvania 17110                                | DATE<br>September 4, 2012<br><hr/> ORDER NO./INCIDENT NO.<br>RTK Request 2012-0369                                                                                                                                                                                                                                                                                                                                                                     |  |  |  |  |  |  |
| BILL TO:<br><br><div style="border: 1px solid black; padding: 10px; margin: 10px auto; width: 80%;">           Sara Rose<br/>           ACLU of Pennsylvania<br/>           313 Atwood Street<br/>           Pittsburgh, Pennsylvania 15213         </div> | BUREAU OR TROOP<br>Record & Identification<br><hr/> TERMS<br>net 30 days<br><hr/> <div style="text-align: center;"><b>FOR STATE USE ONLY</b></div> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td style="height: 20px;"></td><td style="height: 20px;"></td></tr> <tr><td style="height: 20px;"></td><td style="height: 20px;"></td></tr> <tr><td style="height: 20px;"></td><td style="height: 20px;"></td></tr> </table> |  |  |  |  |  |  |
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| TO ENSURE PROPER CREDIT TO YOUR ACCOUNT, PLEASE RETURN ONE COPY WITH YOUR REMITTANCE.                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                        |  |  |  |  |  |  |

| DATE OF TRANSACTION | ITEM AND DESCRIPTION                                                                                                                                                                                                                       | QUANTITY | UNIT | UNIT COST | AMOUNT         |
|---------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|------|-----------|----------------|
| 09/04/12            | Right-to-Know 2012-0369<br><br>RTK PS/RTK000001-PSP/RTK000061<br><br>Photo copies of records<br><br>Postage<br><br>Reference # 2012-0369<br><br><br><br><br>Revenue Code: 001910-020000-101<br><br>Account Code: 001-020-181-08-1-9410-396 | 55       |      | .25       | 15.25          |
|                     |                                                                                                                                                                                                                                            |          |      |           | 3.65           |
| <b>TOTAL</b>        |                                                                                                                                                                                                                                            |          |      |           | <b>\$18.90</b> |

I CERTIFY THE ABOVE EXPENSES, SERVICES, MATERIALS, OR PRODUCTS WERE ACTUALLY INCURRED OR FURNISHED BY THE COMMONWEALTH OF PENNSYLVANIA, AND THE ABOVE COSTS CHARGED WERE FAIR AND REASONABLE.

9/4/2012



SIGNATURE

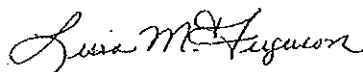
COMMONWEALTH OF PENNSYLVANIA  
PENNSYLVANIA STATE POLICE  
**INVOICE**

|                                                                                                                                                                                                                                                           |  |                                                  |  |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--------------------------------------------------|--|
| PLEASE MAKE CERTIFIED CHECK OR MONEY ORDER PAYABLE TO:<br>"Commonwealth of Pennsylvania"<br>MAIL TO: Pennsylvania State Police<br>Right-to-Know Law Office<br>1800 Elmerton Avenue<br>Harrisburg, Pennsylvania 17110                                      |  | DATE<br>September 4, 2012                        |  |
| BILL TO:<br><br><div style="border: 1px solid black; padding: 5px; margin: 10px auto; width: 80%;">           Sara Rose<br/>           ACLU of Pennsylvania<br/>           313 Atwood Street<br/>           Pittsburgh, Pennsylvania 15213         </div> |  | ORDER NO./INCIDENT NO.:<br>RTK Request 2012-0369 |  |
|                                                                                                                                                                                                                                                           |  | BUREAU OR TROOP<br>Record & Identification       |  |
|                                                                                                                                                                                                                                                           |  | TERMS<br>net 30 days                             |  |
|                                                                                                                                                                                                                                                           |  | <b>FOR STATE USE ONLY</b>                        |  |
|                                                                                                                                                                                                                                                           |  |                                                  |  |
|                                                                                                                                                                                                                                                           |  |                                                  |  |
| TO ENSURE PROPER CREDIT TO YOUR ACCOUNT, PLEASE RETURN ONE COPY WITH<br>YOUR REMITTANCE.                                                                                                                                                                  |  |                                                  |  |

| DATE OF TRANSACTION | ITEM AND DESCRIPTION                    | QUANTITY | UNIT | UNIT COST | AMOUNT         |
|---------------------|-----------------------------------------|----------|------|-----------|----------------|
| 09/04/12            | Right-to-Know 2012-0369                 |          |      |           |                |
|                     | RTK PS/RTK000001-PSP/RTK000061          |          |      |           |                |
|                     | Photo copies of records                 | 55       |      | .25       | 15.25          |
|                     | Postage                                 |          |      |           | 3.65           |
|                     | Reference # 2012-0369                   |          |      |           |                |
|                     | Revenue Code: 001910-020000-101         |          |      |           |                |
|                     | Account Code: 001-020-181-08-1-9410-396 |          |      |           |                |
| <b>TOTAL</b>        |                                         |          |      |           | <b>\$18.90</b> |

I CERTIFY THE ABOVE EXPENSES, SERVICES, MATERIALS, OR PRODUCTS WERE ACTUALLY INCURRED OR FURNISHED BY THE COMMONWEALTH OF PENNSYLVANIA, AND THE ABOVE COSTS CHARGED WERE FAIR AND REASONABLE.

9/4/2012



SIGNATURE

- 6998 -

PENNSYLVANIA STATE POLICE  
BUREAU OF RECORDS & IDENTIFICATION  
RIGHT-TO-KNOW OFFICE

VERIFICATION OF  
LISSA M. FERGUSON  
DEPUTY AGENCY OPEN RECORDS OFFICER

I, Lissa M. Ferguson, Deputy Agency Open Records Officer of the Pennsylvania State Police (variously, PSP or Department), am authorized to prepare this verification in response to PSP/RTKL Request N° 2012-0369. Accordingly, on this 4th day of September, 2012, I verify the following facts to be true and correct, to the best of my knowledge or information and belief:

1. I am familiar with PSP/RTKL Request N° 2012-0369, which seeks access to:
  1. All records, regarding your policies, practices and procedures for procuring and using ALPR technology, and for storing, accessing and sharing data obtained through ALPR technology;
  2. All records regarding the procurement of ALPR technology, including
    - a. sources of funds used to pay for ALPR technology;
    - b. invoices for the purchase of ALPR technology;
    - c. information regarding the borrowing or leasing of ALPR technology;
    - d. information regarding any pilot program involving ALPR;
    - e. local government approval for the use of purchase of ALPR technology;
    - f. interactions with vendors, suppliers and potential suppliers of ALPR technology, including materials and fact sheets supplied by vendors describing their products;
  3. All record regarding the use of ALPR technology, including
    - a. what types of data are obtained;

- b. the number of license plates scanned and/or read in a given time period (day, month, year, etc.)
  - c. the number of ALPR units or systems acquired, borrowed, or leased;
  - d. the number of vehicles equipped with ALPR technology;
  - e. for stationary deployments, the number and physical location of ALPR units;
  - f. the technical capabilities of the ALPR units;
- 4. All records regarding the storage of data obtained using ALPR technology, including
  - a. what types of data are stored for any period longer than an hour;
  - b. how long data is stored;
  - c. when and how data must be discarded;
  - d. how many individual license plate scan records your agency currently stores;
- 5. All records regarding access to ALPR data, including
  - a. the legal justification required before an individual accesses ALPR data;
  - b. purposes for which the data may be accessed;
  - c. purposes for which the data may not be accessed;
  - d. who may access the data, what procedures they must go through to obtain access, and who must authorize access;
  - e. the existence or non-existence of a system that records who accesses the data and when the data is accessed;
- 6. All records regarding the sharing of data obtained through ALPR technology, including
  - a. what type of data is shared;
  - b. which database your agency puts collected ALPR data into;
  - c. third parties, governmental or private, that may access your agency's ALPR data, including what procedures third parties must go through in order to access the data and any re;

- d. any agreements to share ALPR data with outside agencies, corporations or other entities;
  - 7. All records regarding obtaining ALPR data from third parties, including which databases your agency can access;
  - 8. All training materials used to instruct members of your agency in ALPR deployments, data management, or operation of automated records systems that contain ALPR data to which any member of your agency has access, including regional or shared ALPR databases."
2. Utilizing the information contained in the request, I searched all Department databases to which I have access for evidence of any PSP records that may respond to the request.
3. As a result of my searches, I have identified and retrieved the following responsive PSP Records:
- Responsive to item 1 – Five page record marked for identification as PSP/RTK000001-PSP/RTK000005.
  - Items 3a, 3f, and 8 – Fifty-five page record marked for identification as PSP/RTK000006-PSP/RTK000060.
  - Item 3b – One page record marked for identification as PSP/RTK000061.

These documents have been determined to be public information and has been provided to the requestor with redactions pursuant to RTKL 708(11). Accordingly, this information has been redacted (obliterated) from the requested public record.

4. In response to item 3d, "the number of vehicles equipped with ALPR technology" is twenty-five.
5. In response to item 4a, the types of data stored for any period longer than an hour is the information read from the license plate.

6. In response to item 4b, in response to "how long data is stored", non-criminal data is stored until the end of a shift or can be stored for thirty day by the manufacturer.
7. In response to item 4c, in response to "when and how data must be discarded", non-criminal data is stored until the end of a shift and/or a hard delete is used.
8. In response to item 4d, in response to "how many individual license plate scan records your agency currently stores", is only those related to a criminal investigation.
9. In response to items 5a and 5b, in response to "the legal justification required before an individual accesses ALPR data" and the "purposes for which the data may be accessed", are in the event of criminal prosecution only.
10. In response to item 5c, the purposes for which the data may not be accessed, is for any reason other than a criminal investigation.
11. As a result of my searches for records pertaining to items 2a, 2b, 2c, 2d, 2e, 2f, 3c, 3e, 5d, 5e, 6a, 6b, 6c, 6d, and 7, I have determined PSP does not have any records responsive to items 2a, 2b, 2c, 2d, 2e, 2f, 3c, 3e, 5d, 5e, 6a, 6b, 6c, 6d, and 7 of this request in its possession, custody, or control.
12. Outside the RTKL, in response to item 5d, data is only accessed by individuals involved in the chain of criminal prosecution.

**I understand that false statements made in this verification are subject to penalties of 18 Pa. C.S. §4904, relating to unsworn falsification to authorities.**



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Lissa M. Ferguson  
Deputy Agency Open Records Officer  
Pennsylvania State Police

8/6/12  
2012.0369

Ferguson, Lissa

---

**From:** Sara Rose <SRose@aclupa.org>  
**Sent:** Monday, July 30, 2012 2:17 PM  
**To:** SP, PSP RIGHT TO KNOW  
**Subject:** Right to Know request  
**Attachments:** PA State Police RTK 7-30-12.pdf

JUL 30 '12 PM 2:31

Attached is a Right to Know request. Please contact me with any questions.

Sara J. Rose  
Staff Attorney  
ACLU of Pennsylvania  
***Defending liberty where it began***  
313 Atwood Street | Pittsburgh, PA 15213  
P: 412.681.7864 | F: 412.681.8707  
[srose@aclupa.org](mailto:srose@aclupa.org) | [www.aclupa.org](http://www.aclupa.org)  
[Like us on Facebook](#) | Follow us on Twitter: [@aclupa](#)

***Are you a card-carrying member? Click here to support the ACLU.***



JUL30'12 PM 2:31

# pennsylvania

OFFICE OF OPEN RECORDS

## STANDARD RIGHT-TO-KNOW REQUEST FORM

DATE REQUESTED: July 30, 2012

REQUEST SUBMITTED BY: ☒ E-MAIL ☐ U.S. MAIL ☐ FAX ☐ IN-PERSON

REQUEST SUBMITTED TO (Agency name & address): Pennsylvania State Police

Bureau of Records and Identification, 1800 Elmerton Avenue, Harrisburg, PA 17110

NAME OF REQUESTER: Sara Rose

STREET ADDRESS: 313 Atwood Street

CITY/STATE/COUNTY/ZIP(Required): Pittsburgh, PA, Allegheny 15213

TELEPHONE (Optional): 412-681-7864

EMAIL (optional): srose@aclupa.org

RECORDS REQUESTED: *\*Provide as much specific detail as possible so the agency can identify the information. Please use additional sheets if necessary*

Please see attached.

DO YOU WANT COPIES? YES or NO

DO YOU WANT TO INSPECT THE RECORDS? YES or NO

DO YOU WANT CERTIFIED COPIES OF RECORDS? YES or NO

**\*\* PLEASE NOTE: RETAIN A COPY OF THIS REQUEST FOR YOUR FILES \*\***  
**\*\* IT IS A REQUIRED DOCUMENT IF YOU WOULD NEED TO FILE AN APPEAL \*\***

### FOR AGENCY USE ONLY

RIGHT TO KNOW OFFICER:

DATE RECEIVED BY THE AGENCY:

AGENCY FIVE (5) BUSINESS DAY RESPONSE DUE:

*\*\*Public bodies may fill anonymous verbal or written requests. If the requestor wishes to pursue the relief and remedies provided for in this Act, the request must be in writing. (Section 702.) Written requests need not include an explanation why information is sought or the intended use of the information unless otherwise required by law. (Section 703.)*

**Records Requested**

This request seeks records regarding automatic license plate readers (ALPR). ALPRs are also sometimes referred to as Automatic Vehicle Identification, Car Plate Recognition or License Plate Recognition equipment and/or software; this records request uses ALPR in reference to any of this technology.

Please provide copies of the following records created from January 1, 2006 to the present:

1. All records regarding your policies, practices and procedures for procuring and using ALPR technology, and for storing, accessing and sharing data obtained through ALPR technology;
2. All records regarding the procurement of ALPR technology, including
  - a. sources of funds used to pay for ALPR technology;
  - b. invoices for the purchase of ALPR technology;
  - c. information regarding the borrowing or leasing of ALPR technology;
  - d. information regarding any pilot program involving ALPR;
  - e. local government approval for the use of purchase of ALPR technology;
  - f. interactions with vendors, suppliers and potential suppliers of ALPR technology, including materials and fact sheets supplied by vendors describing their products;
3. All records regarding the use of ALPR technology, including
  - a. what types of data are obtained;
  - b. the number of license plates scanned and/or read in a given time period (day, month, year, etc.);
  - c. the number of ALPR units or systems acquired, borrowed, or leased;
  - d. the number of vehicles equipped with ALPR technology;
  - e. for stationary deployments, the number and physical location of ALPR units;
  - f. the technical capabilities of the ALPR units;
4. All records regarding the storage of data obtained using ALPR technology, including
  - a. what types of data are stored for any period longer than an hour;
  - b. how long data is stored;
  - c. when and how data must be discarded;
  - d. how many individual license plate scan records your agency currently stores;
5. All records regarding access to ALPR data, including
  - a. the legal justification required before an individual accesses ALPR data;
  - b. purposes for which the data may be accessed;
  - c. purposes for which the data may *not* be accessed;
  - d. who may access the data, what procedures they must go through to obtain access, and who must authorize access;
  - e. the existence or non-existence of a system that records who accesses the data and when the data is accessed;

6. All records regarding the sharing of data obtained through ALPR technology, including
  - a. what type of data is shared;
  - b. which databases your agency puts collected ALPR data into;
  - c. third parties, governmental or private, that may access your agency's ALPR data, including what procedures third parties must go through in order to access the data and any restrictions placed on third parties regarding further sharing of your ALPR data;
  - d. any agreements to share ALPR data with outside agencies, corporations or other entities;
7. All records regarding obtaining ALPR data from third parties, including which databases your agency can access;
8. All training materials used to instruct members of your agency in ALPR deployment, data management, or operation of automated records systems that contain ALPR data to which any member of your agency has access, including regional or shared ALPR databases.



**PENNSYLVANIA STATE POLICE**  
DEPARTMENT DIRECTIVE

Special Order  
2011-58

November 30, 2011  
Distribution B  
Cancel 12/31/2012

**SUBJECT:** Automated License Plate Readers

**TO:** Area, Troop, and Station Commanders; Bureau and Office Directors

**FROM:** Lt. Colonel George L. Bivens  
Deputy Commissioner of Operations

**REFERENCES:** (a) Special Order 2009-66, Automated License Plate Readers.

(b) Letter of Understanding Between the Commonwealth of Pennsylvania, Acting Through the Pennsylvania Automobile Theft Prevention Authority, and the Pennsylvania State Police, dated October 14, 2009.

**ENCLOSURES:** (1) Automated License Plate Reader Troop Assignments.

(2) Automated License Plate Reader Usage Form.

1. Reference (a) is cancelled; it shall be removed from files and destroyed.

2. The Pennsylvania Automobile Theft Prevention Authority (ATPA) has provided the Department with 25 Automated License Plate Readers (ALPRs) to help reduce the number of stolen vehicles on Pennsylvania roadways, increase the number of stolen vehicles recovered, and aid in the apprehension of criminal offenders in Pennsylvania. In accordance with Reference (b), the ATPA will retain ownership of all ALPRs being utilized by the Department.

3. ALPRs have been assigned to each Troop in the quantities indicated in Enclosure (1). Troop Commanders shall deploy the ALPR(s) assigned to their Troop to location(s) where they anticipate the most effective use of the equipment. The Bureau of Patrol will evaluate the ALPR program on a quarterly basis and may redistribute ALPRs based on the level of effective usage within each Troop.

---

*An Internationally Accredited Law Enforcement Agency*

4. The ALPRs consist of two cameras, which are mounted on brackets to the trunk of a patrol vehicle and linked to the mobile office computer system inside the vehicle. The cameras can be aimed to read license plates of vehicles ahead, on either side, or traveling in the opposite direction of the patrol vehicle. The images captured by the cameras are transmitted to the mobile office computer, where they are automatically searched against a database of stolen and wanted vehicles. When a target plate is identified, an audible tone is sounded and an alert message is displayed on the mobile office computer screen.

5. The database of stolen and wanted vehicles is automatically updated every eight hours on the PSPiNet and is available by clicking on the "PSPiNet Download Center" link. In order to ensure license plates are being searched against the most current and accurate data, members shall utilize the approved Department-issued Kingston thumb drive to transfer stolen-/wanted-vehicle data from the PSPiNet Download Center to the mobile office computer in the patrol vehicle during the "start shift" function at the beginning of each shift. The ALPR database on the mobile office hard drive can be amended manually by the user at any time by inputting the necessary information directly into the ALPR application on the mobile office computer. This type of update will allow the ALPR to scan for license plates which were not in the database at the start of the shift, such as those associated with Amber Alerts or BOLOs received during the shift. Detailed ALPR use instructions are available on the Bureau of Patrol PSPiNet home page and can also be accessed by clicking on the following link: [ALPR User Power Point](#).

6. An alert received via the mobile office computer from an ALPR is **NOT** probable cause to conduct a traffic stop. When a member receives an alert from an ALPR, they shall personally verify that the license plate information displayed on the mobile office computer screen by the ALPR matches the license plate of the subject vehicle exactly, including both the registration number and the state of issuance. The member shall then conduct a CLEAN/NCIC check of the license plate to verify the status of the plate/vehicle before taking any further action.

7. Members operating a patrol vehicle equipped with an ALPR shall be cognizant of the security of the ALPR cameras when leaving the patrol vehicle unattended. Members shall consider removing the cameras from the patrol vehicle if the vehicle is going to be left unattended in an unsecured location for an extended period of time. There is no need to remove the cameras from the patrol vehicle when the vehicle is being washed at an automatic car wash equipped with revolving or rotating brushes.

8. Members shall contact the PSP Help Desk to report any problem or malfunction with an ALPR. At no time shall members attempt to service or repair any of the ALPR components.

9. In order to assess the effectiveness of the ALPRs and facilitate the compilation of relevant data, members utilizing an ALPR during their shift shall complete the ALPR Usage Form contained in Enclosure (2) upon completion of their shift. The ALPR Usage Form is available as a template on the Bureau of Patrol PSPiNet home page and can also be accessed by clicking on the following link: ALPR Usage Form. All completed ALPR Usage Forms shall be forwarded to the appropriate Troop Headquarters no later than the fifth day of the following month. The information recorded on the ALPR Usage Forms shall then be tallied each month by Troop Headquarters personnel, and a single monthly ALPR usage report for each ALPR assigned to the Troop shall be prepared/submitted using the ALPR data-entry screen on the Bureau of Patrol PSPiNet home page. Upon completion/submission of the monthly ALPR usage report(s), the original ALPR Usage Forms for that month shall be forwarded to the Director, Bureau of Patrol.

10. Questions concerning the contents of this Special Order shall be directed to the Director, Safety Program Division, Bureau of Patrol, at 717-783-5517.

ENCLOSURE (1)

AUTOMATED LICENSE PLATE READER TROOP ASSIGNMENTS

| Troop | Quantity                                                          |
|-------|-------------------------------------------------------------------|
| A     | 1                                                                 |
| B     | 2                                                                 |
| C     | 1                                                                 |
| D     | 1                                                                 |
| E     | 2                                                                 |
| F     | 1                                                                 |
| G     | 1                                                                 |
| H     | 2                                                                 |
| J     | 1                                                                 |
| K     | 2                                                                 |
| L     | 1                                                                 |
| M     | 2                                                                 |
| N     | 2                                                                 |
| P     | 1                                                                 |
| R     | 2                                                                 |
| T     | 3 (Eastern Section – 1; Central Section – 1; Western Section – 1) |

PENNSYLVANIA STATE POLICE  
AUTOMATED LICENSE PLATE READER USAGE FORM

|                 |        |             |                |
|-----------------|--------|-------------|----------------|
| NAME/SIGNATURE: |        | SUPV. INIT. | TROOP/STATION: |
| DATE:           | SHIFT: | ALPR #      |                |

NUMBER OF HOURS USED DURING SHIFT?  
(# of hours ALPR was in use capturing images) \_\_\_\_\_

NUMBER OF LICENSE PLATES SCANNED DURING SHIFT?  
(Total # images ALPR captured—from end-of-shift statistic display) \_\_\_\_\_

NUMBER OF ALERTS?  
(From end-of-shift statistic display) \_\_\_\_\_

NUMBER OF CONFIRMED ALERTS? \_\_\_\_\_

NUMBER OF RECOVERED STOLEN PLATES? \_\_\_\_\_

NUMBER OF RECOVERED STOLEN VEHICLES? \_\_\_\_\_

NUMBER OF FELONY ARRESTS? \_\_\_\_\_

NUMBER OF MISDEMEANOR ARRESTS? \_\_\_\_\_

SECTIONS CHARGED? \_\_\_\_\_  
(Vehicle Code—VC/Crimes Code—CC)

LOCATION OF RECOVERY/ARREST? COUNTY: \_\_\_\_\_

MUNICIPALITY: \_\_\_\_\_ ROUTE: \_\_\_\_\_

\* Form to be completed at the end of every shift that the ALPR was in use. Completed forms shall be forwarded to Troop Headquarters by the 5<sup>th</sup> of the following month. Upon completion of data entry at Troop Headquarters, all forms shall be forwarded monthly through channels to: Director, Bureau of Patrol, Department Headquarters, 1800 Elmerton Avenue, Harrisburg, PA 17110.



# Pennsylvania State Police

## Automated License Plate Reader Training

Updated February 2011

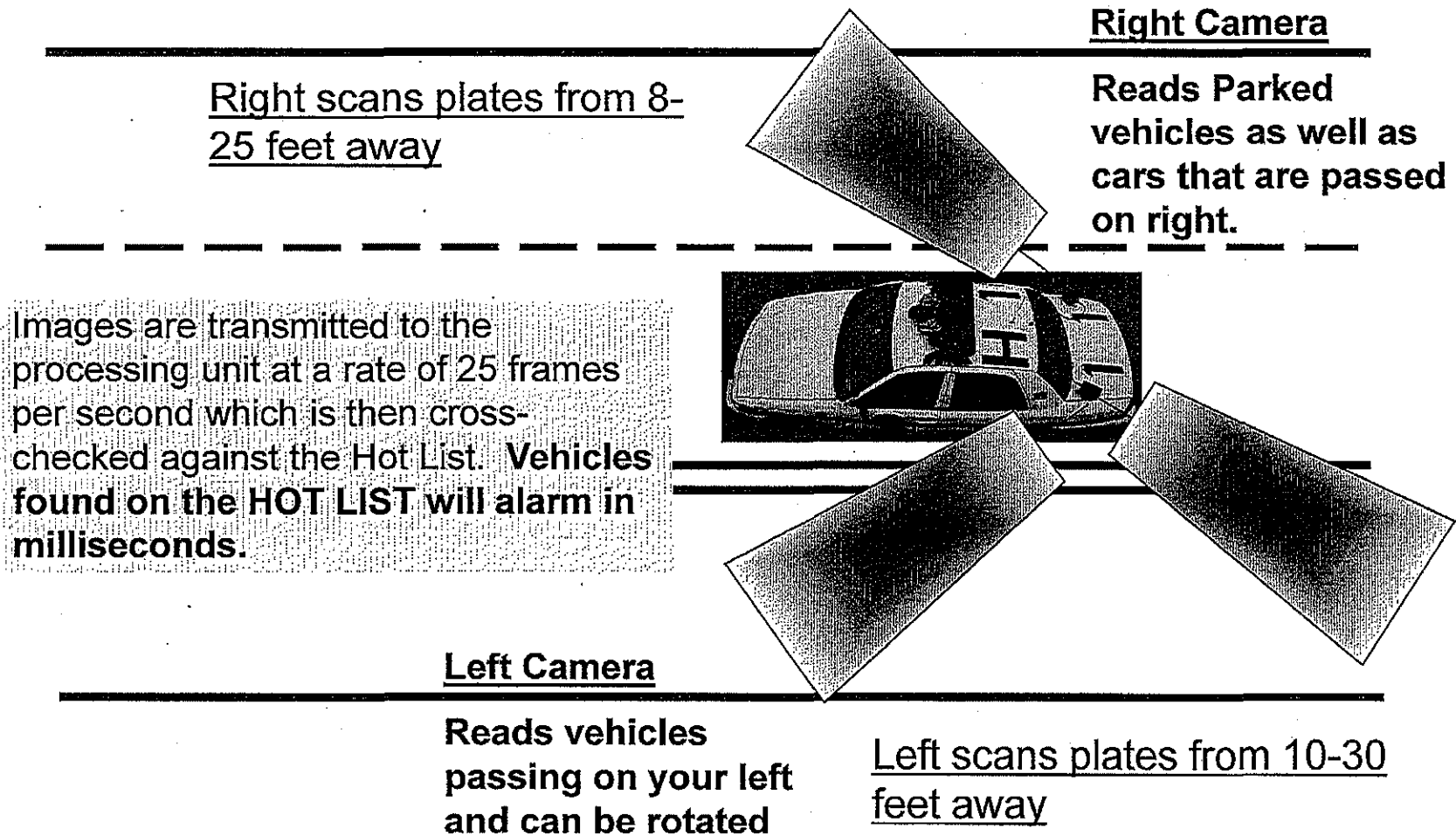
## ELSAG's Mobile Plate Hunter (MPH-900)

- Easily mounted or transportable Automated License Plate Reader (ALPR) systems allow officers to maintain a normal patrol stance while capturing up to 5-7,000 reads in an 8 hour shift.
- The System is capable of reading across 2 lanes of traffic and captures vehicles in excess of 120MPH closing speed and 75+MPH passing speeds.
- The ALPR requires no driver intervention and runs against up to 4,000,000 lines of hot list files for vehicles of interest.

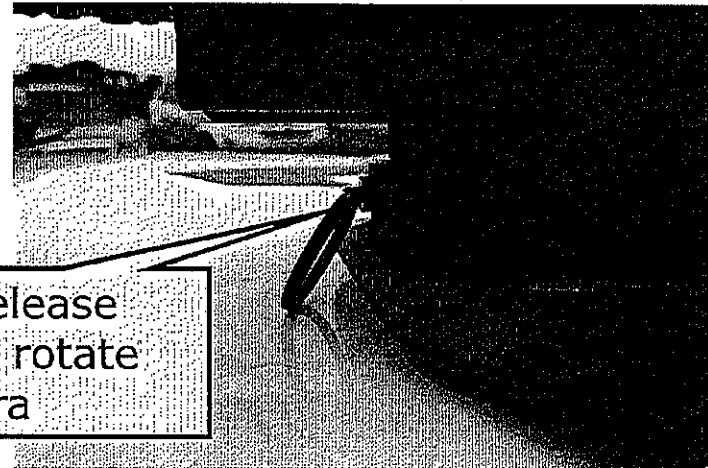
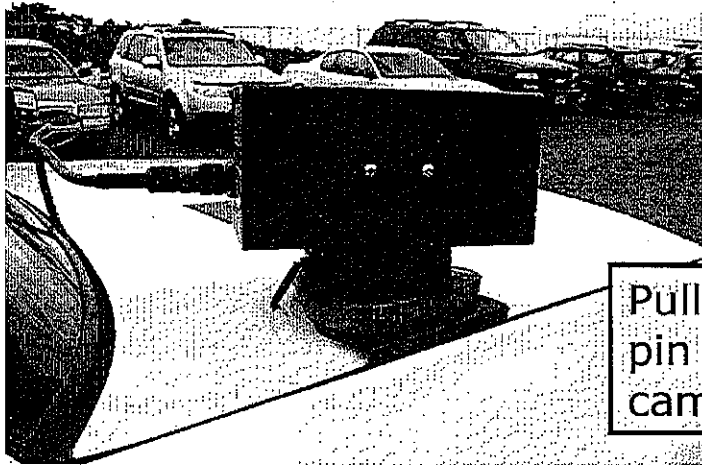
## ELSAG's Mobile Plate Hunter (MPH-900)

- **Milliseconds after a Hot List vehicle is captured, the system sounds an audible and visual alarm to the operator.**
- **The MPH-900 is capable of reading plates from all 50 states and Canada including difficult to read flat and vanity tags.**
- **The MPH-900 can read tags 24 hours DAY or NIGHT in all kinds of weather.**

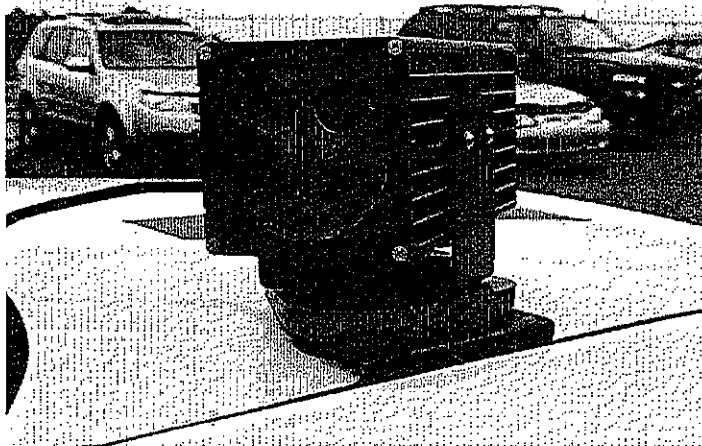
# Camera Focal Points and Capabilities



# Camera Rotation



Pull release  
pin to rotate  
camera



Only the Drivers side  
camera can be rotated  
to capture the rear of  
vehicles passing on  
your left.

# The Hot List

- A list of Stolen vehicles/plates and vehicles/plates associated with a wanted person that are entered into CLEAN/NCIC by a Law Enforcement Agency
- The updated hot list is located at the PSP iNet Download Center
- Updated three times daily (0510, 1310, 2110 hours)
- The Hot List in the Patrol Vehicle shall be updated prior to the start of each shift
- ALPR works off of the Hot List, it is not a live CLEAN/NCIC query and therefore IS NOT Probable Cause to stop the vehicle.

# Updating Hot list

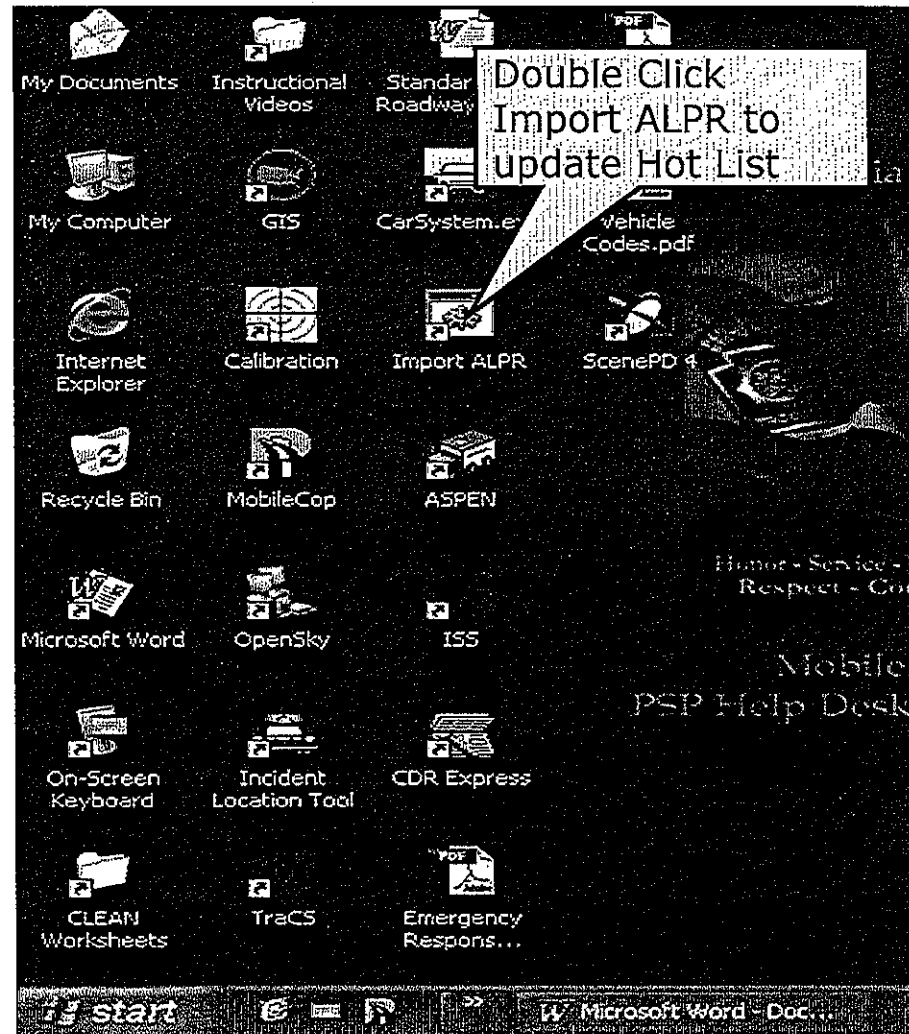
- Insert your Department Issued Tracs USB thumb drive into your desktop workstation. If a new window appears, close it.
- From the PSP iNet home page, click on the link for the PSP iNet Download Center
- Under ALPR file download, click on the “ALPR file download link”
- Right click “alpr.txt” link, select “save target as”.
- Save to your thumb drive.
- Replace the existing file if prompted to do so
- Safely remove the USB thumb drive and take it to the ALPR equipped patrol vehicle.

# **In the Patrol Vehicle**

- Start Laptop as usual
- Log into Mobile Cop
- After logging into Mobile Cop, ensure ALPR is plugged in.

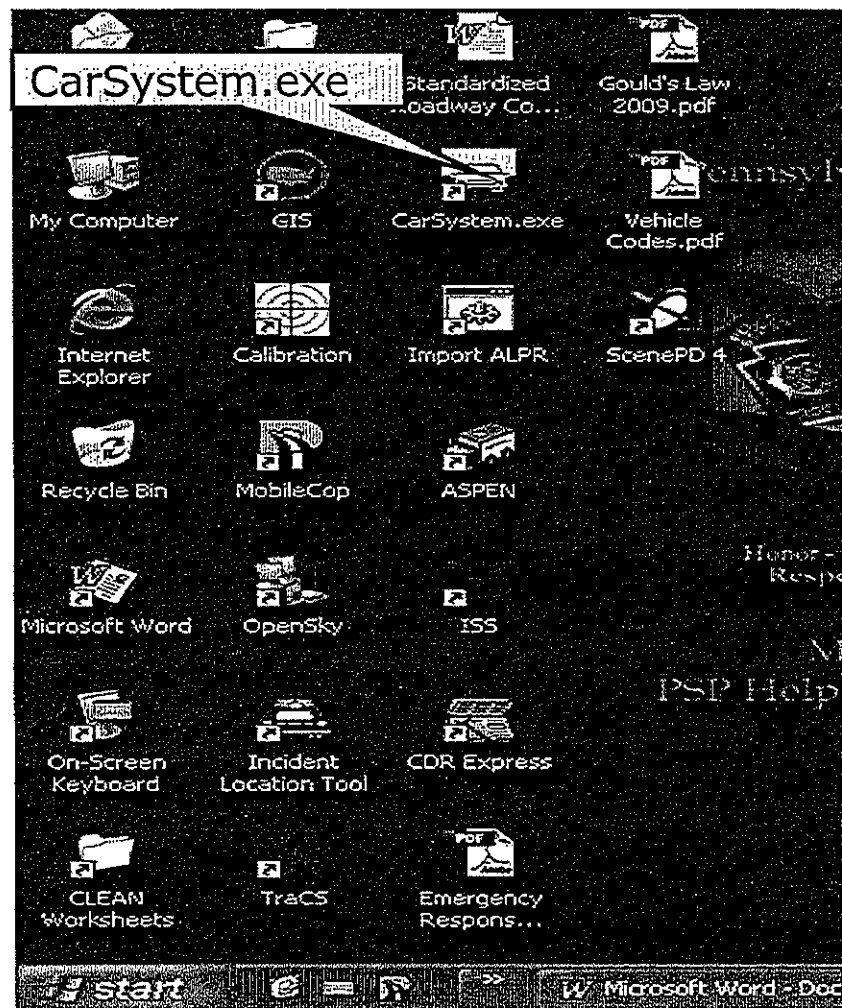
# Update the ALPR Hot List

- Insert Department issued USB flash drive into any USB port
- Double-click the desktop icon labeled **“Import ALPR”**
- A black DOS window will appear. It will appear that nothing is happening for about a minute; this is normal.



# Using the ALPR

- Double-click the desktop icon labeled "CarSystem.exe"



The username is [REDACTED] (no password required). Tap "Ok"

**Car System Login**

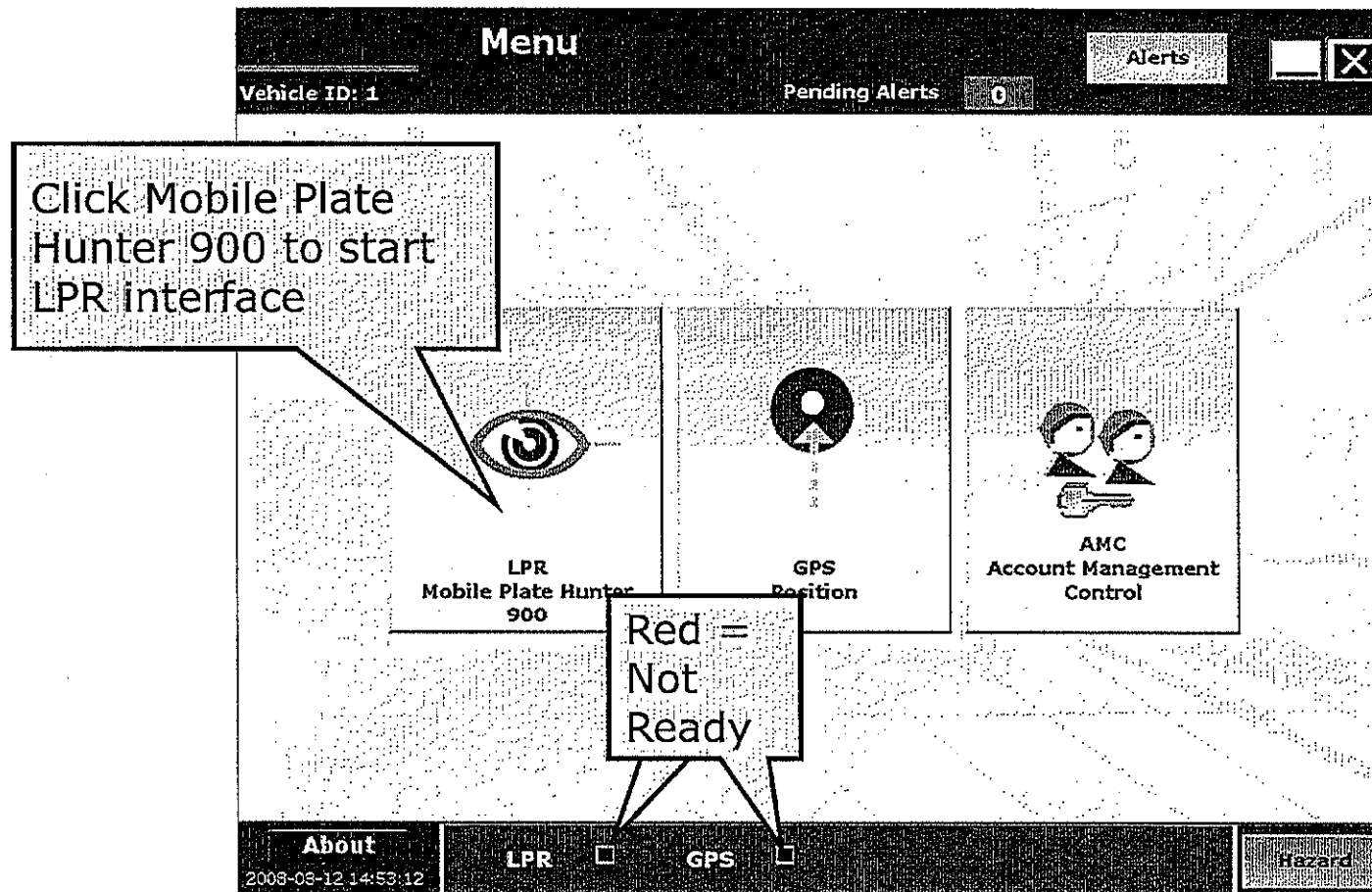
User [REDACTED] Defaulted to [REDACTED]

Password [REDACTED]

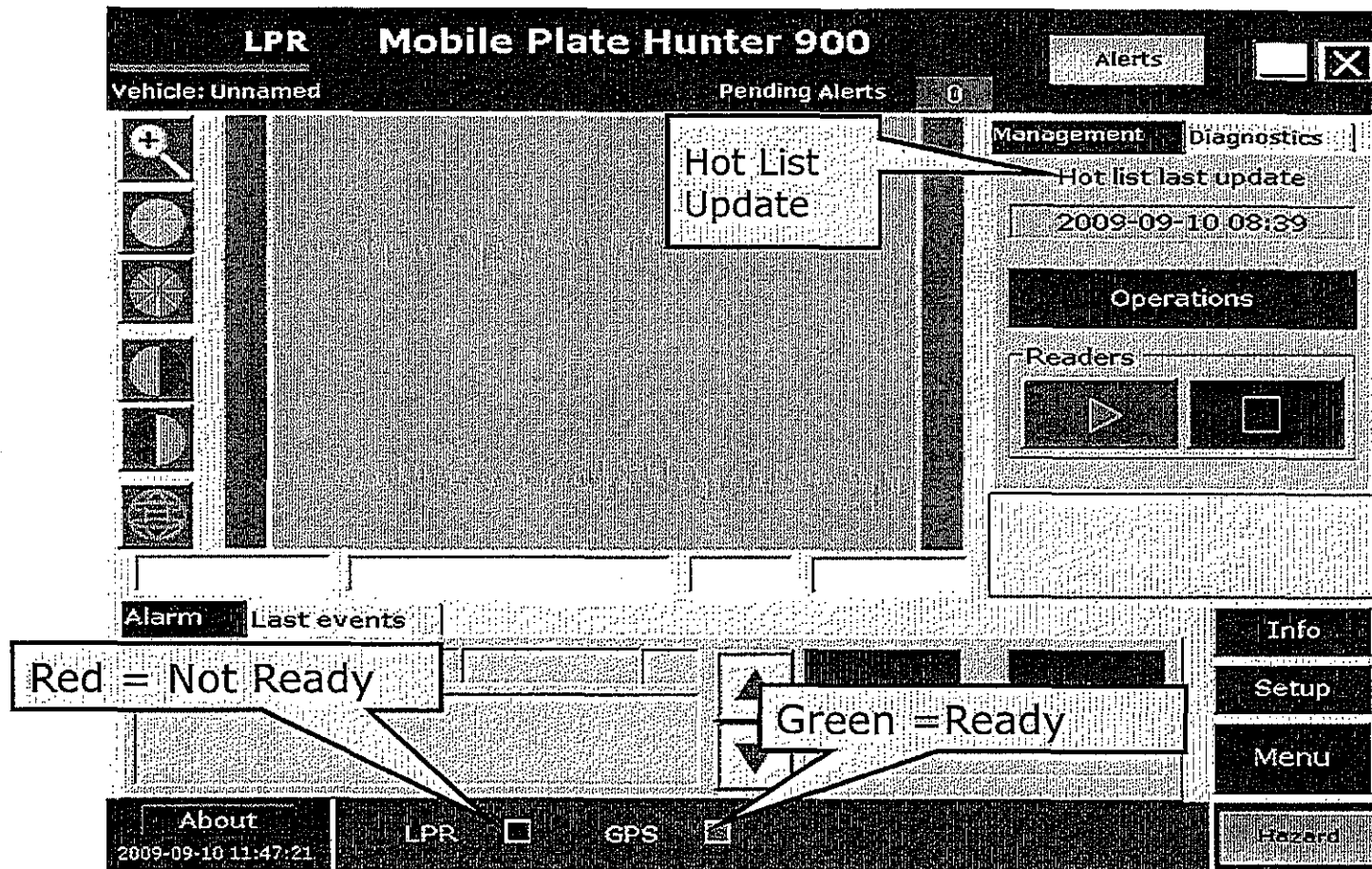
|      |   |   |   |   |   |   |       |   |      |
|------|---|---|---|---|---|---|-------|---|------|
| 1    | 2 | 3 | 4 | 5 | 6 | 7 | 8     | 9 | 0    |
| q    | w | e | r | t | y | u | i     | o | p    |
| a    | s | d | f | g | h | j | k     | l | ▲    |
| z    | x | c | v | b | n | m | ◀     | ▼ | ▶    |
| Caps |   |   |   |   |   |   | #@... |   | Canc |

Select "OK" [OK] [Cancel]

# Car System Menu Screen



The picture / video feed will not update until a plate is read



# Main Car System Screen

**LPR Mobile Plate Hunter 900**

Vehicle: Unnamed Pending Alerts 0

**Color Picture of Vehicle**

**State Agnostic**

**Last Information Read**

**Last 6 Reads**

| Last events |            |   |          |
|-------------|------------|---|----------|
| Reads       |            |   |          |
| Left        | DML3747    | ? | 11:54:20 |
| Left        | EERG       | ? | 11:54:15 |
| Left        | 29264PA    | ? | 11:54:10 |
|             | SE[00][00] | ? | 11:54:08 |
|             | RGENC      | ? | 11:54:05 |
|             | L911       | ? | 11:54:04 |

**Green Light LPR is Ready**

**Green Light GPS is Ready**

**Close up of Tag**

**Management** **Diagnostics**

Hot list last update

2009-09-10 08:39

**Operations**

**Readers**

**Hazard**

2009-09-10 11:54:26

2012-09-04

2012-0369

PSP/RTK000020

LPR Mobile Plate Hunter 900

Vehicle: Unnamed

Pending Alerts0

Alerts

ManagementDiagnostics

Hot list last update

2009-09-10 08:39

Operations

Readers

Stop Button, Puts Camera In Stand by Mode

Setup

Menu

Hazard

Touch Screen to toggle between Color and Infrared views

Play Button Restarts Camera

LeftDML3747?11:54:20

AlarmLast events

| Reads |            |   |          |
|-------|------------|---|----------|
| Left  | DML3747    | ? | 11:54:20 |
| Left  | EERG       | ? | 11:54:15 |
| Left  | 29264PA    | ? | 11:54:10 |
| Left  | SE[00][00] | ? | 11:54:08 |
| Left  | RGENC      | ? | 11:54:05 |
| Left  | L911       | ? | 11:54:04 |

Alarms

About

2009-09-10 11:54:38

LPR

GPS

2012-09-04

2012-0369

PSP/RTK000021

Infrared view at night

**LPR** **License Plate Hunter 900** **Alerts** ☐ ☒

Vehicle ID: 1 Pending Alerts 0

**Management** **Diagnostics**

Hot list last update  
2008-06-25 07:19

**Operations**

**Readers**

**Right** **DKK8374** **?** **07:55:43**

**Alarm** **Last events**

| Reads |            |   |          |
|-------|------------|---|----------|
| Right | DKK8374    | ? | 07:55:43 |
| Right | EJF6215    | ? | 07:55:33 |
| Right | NSP08A[0D] | ? | 07:55:28 |
| Right | EER7039    | ? | 07:55:28 |
| Right | EJF5870    | ? | 07:55:17 |
| Right | EJY1860    | ? | 07:54:53 |

**Alarms**

**About** 2008-05-25 07:55:57 **LPR** ☐ **GPS** ☐ **COM** ☐

# When the Alarm Sounds

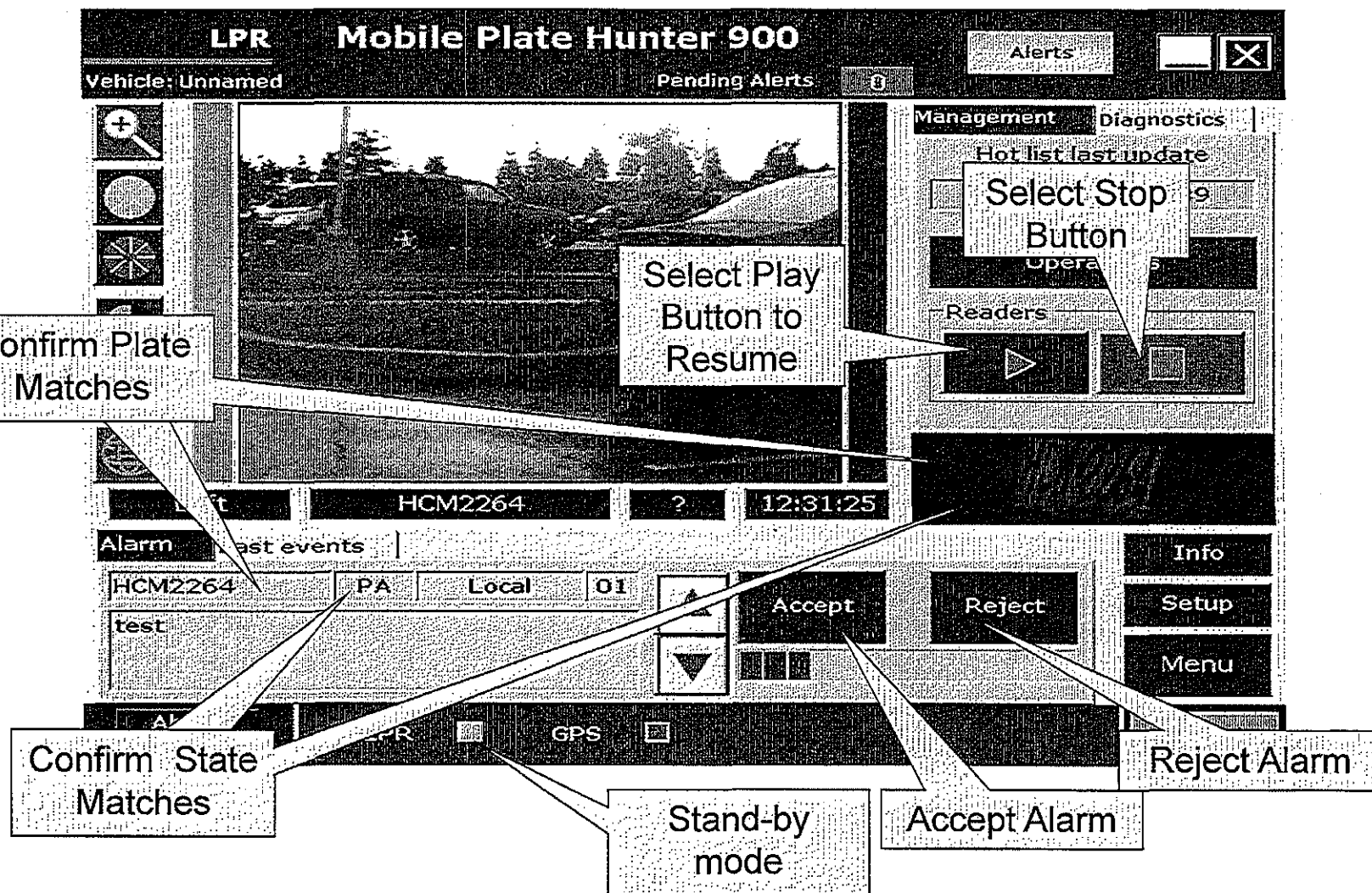


The screenshot shows the LPR Mobile Plate Hunter 900 interface. At the top, it displays 'LPR Mobile Plate Hunter 900' and 'Vehicle: Unnamed'. Below this is a camera feed showing a vehicle with license plate 'GTR-8753'. A callout 'Select Stop Button' points to a button on the right side of the camera feed. Another callout 'Interpretation from Camera' points to the license plate in the camera feed. Below the camera feed, there is a section for 'Alarm' and 'Last events'. A callout 'Confirm Plate Matches' points to the license plate 'GTR8753' in the 'Alarm' section. Another callout 'Alarm Description Defaulted to Stolen Vehicle' points to the text 'Stolen Vehicle' in the 'Alarm' section. A callout 'Information from Hot LIST' points to the 'PA' button in the 'Alarm' section. A callout 'Confirm State in Alarm matches state of License plate that alarmed.' points to the 'Info' button in the 'Alarm' section. A large callout at the bottom states: 'ALL ALARMS REQUIRE REAL TIME CONFIRMATION WITH NCIC'.

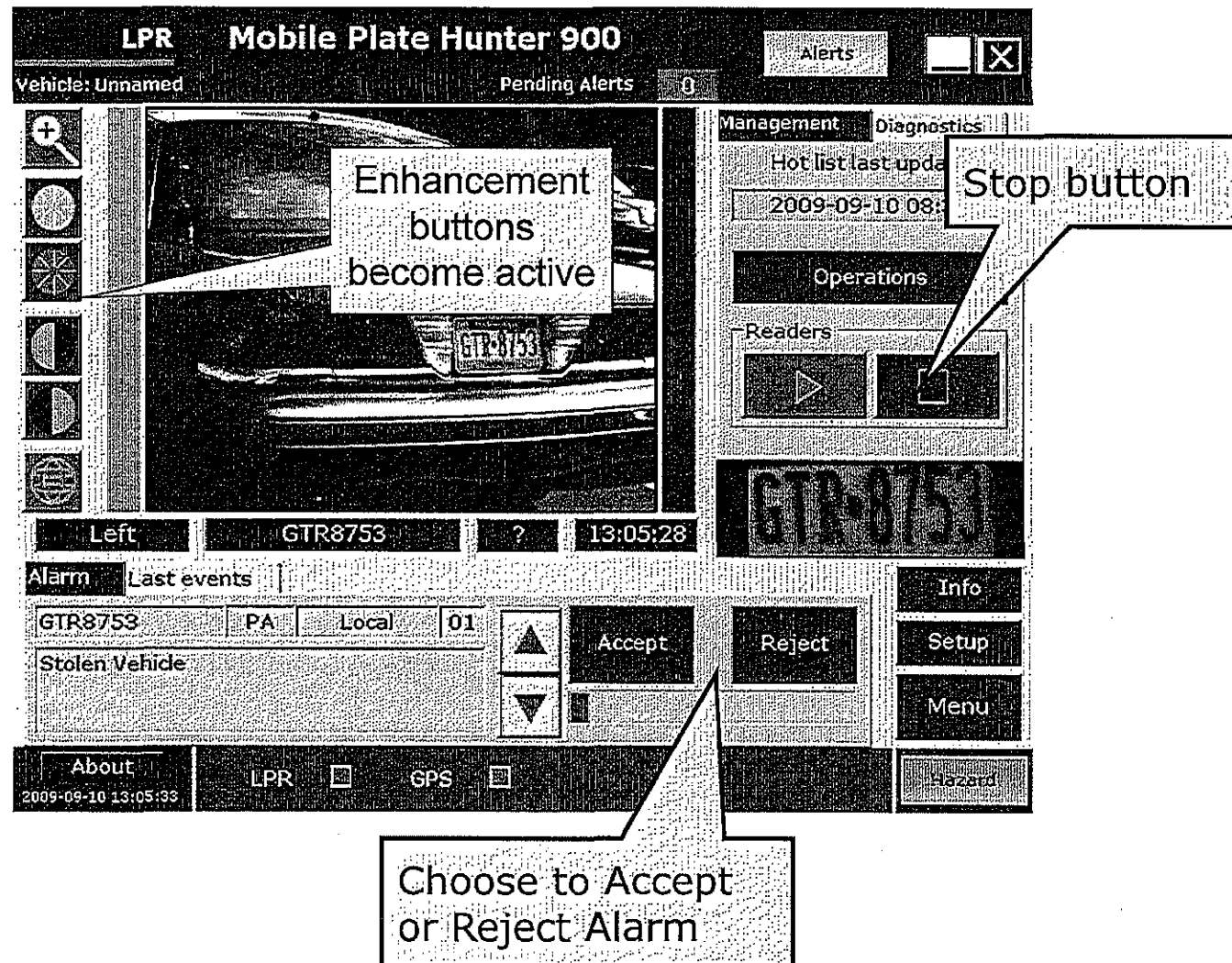
**ALL ALARMS REQUIRE REAL TIME CONFIRMATION WITH NCIC**

**Confirm State in Alarm matches state of License plate that alarmed.**

# Alarm Procedures (cont)



# Accept or Reject Alarm



# You Selected Accept Alarm before Stopping Camera

**LPR Mobile Plate Hunter 900**

Vehicle: Unnamed Pending Alerts 0

Alerts ☐ ☒

Management Diagnostics

Hot list last update  
2009-09-10 08:39

Operations

Readers

**GTR8753** ? 13:07:09

Alarm Last events

| Reads |         |   |          | Alarms |         |    |          |
|-------|---------|---|----------|--------|---------|----|----------|
| Left  | GYN6291 | ? | 13:06:43 | Left   | GTR8753 | PA | 13:07:09 |
| Left  | ERGENCY | ? | 13:06:19 | Left   | GTR8753 | PA | 13:05:28 |
| Left  | H115    | ? | 13:06:18 |        |         |    |          |

Info  
Setup  
Menu

About  
2009-09-10 13:08:08 LPR ☒ GPS ☒

Select Last events

Select Most recent alarm

# Report Results Window Displays

**LPR Mobile Plate Hunter 900**

Vehicle: Unnamed Pending Alerts 0

Hot list Hot list results Reports Report results Cartography

Found matches : 1

| Date                | Plate   | State | Reader | Lat       | Long       |
|---------------------|---------|-------|--------|-----------|------------|
| 2009-09-10 13:07:09 | GTR8753 | PA    | Left   | 40.336719 | -76.710692 |

GPS Coordinates

Class 01 Accepted

Source Local

Note Stolen Vehicle

Export Close

About LPR GPS Hazard

2009-09-10 13:08:24

Date/Time Picture was taken

Verify Plate on Vehicle against Hot List

Camera that took Picture

2012-09-04

2012-0369

**LPR Mobile Plate Hunter 900**

Vehicle: Unnamed Pending Alerts 0 Alerts

Hot list Hot list results Reports Report results Cartography

Found matches : 1

| Date                | Plate   | State | Reader | Lat       | Long       |
|---------------------|---------|-------|--------|-----------|------------|
| 2009-09-10 13:07:09 | GTR8753 | PA    | Left   | 40.336718 | -76.710692 |

Touch picture for close up of tag

Class 01 Accepted

Source Local

Note Stolen Vehicle

Export Close

About 2009-09-10 13:09:10 LPR GPS Hazard

**ALL ALARMS REQUIRE REAL TIME  
CONFIRMATION WITH NCIC**

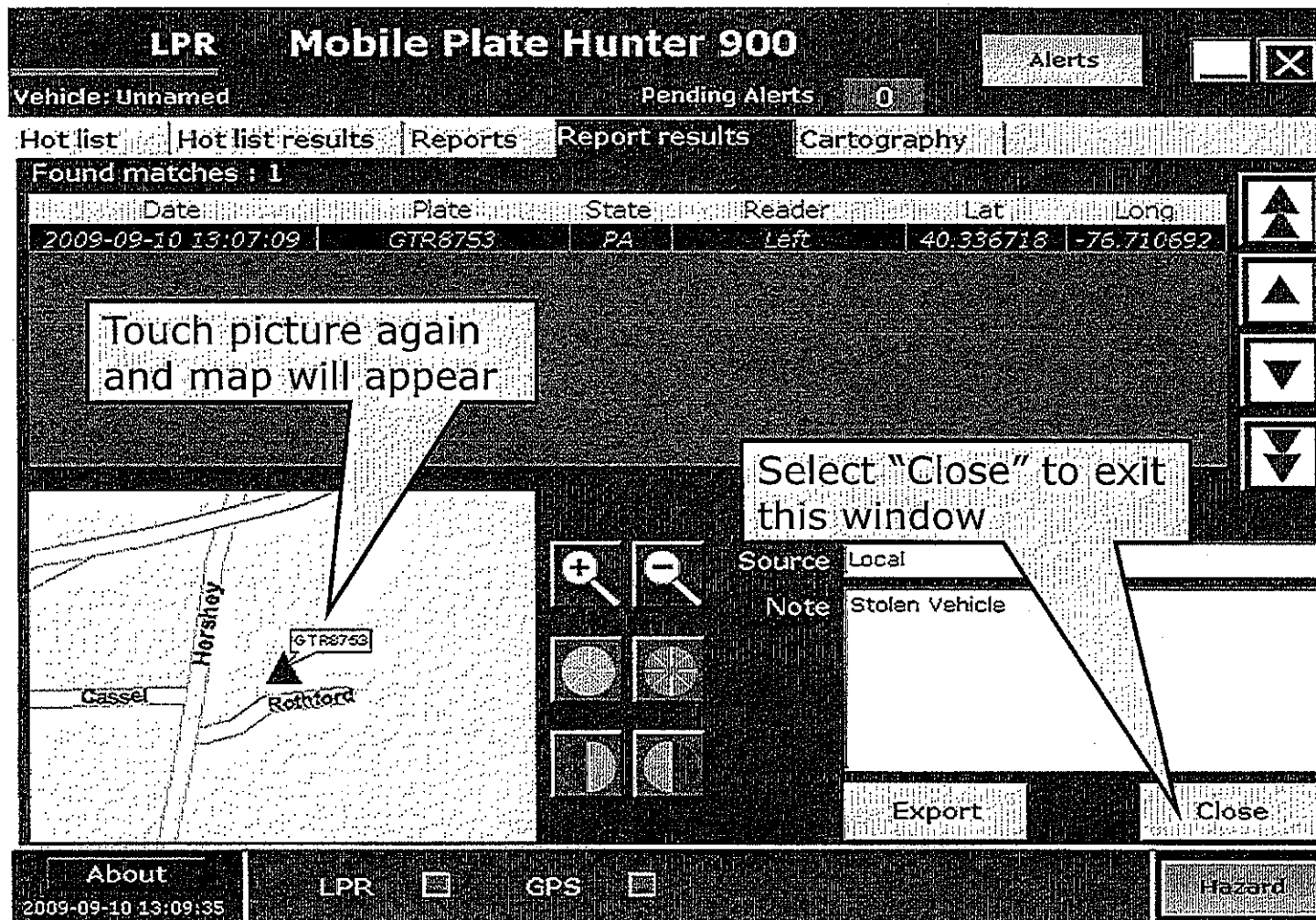
PSP/RTK000027

2012-09-04

# Mapping of Alarm

2012-0369

PSP/RTK000028



# Manually Inserting a Plate

**LPR Mobile Plate Hunter 900**

Vehicle: Unnamed Pending Alerts 0

Select "Operations"

Management Hot list 2009-10 08:39

Diagnostics update 10 08:39

Operations

Readers

DPD-7959

Left DPD7959 ? 11:56:29

Alarm Last events

| Reads                   | Alarms |
|-------------------------|--------|
| Left DPD7959 ? 11:56:29 |        |
| Left HDA7521 ? 11:56:28 |        |
| Left GBW6818 ? 11:56:26 |        |
| Left LLLLLL ? 11:55:51  |        |
| Left DPD7959 ? 11:55:36 |        |
| Left HDA7521 ? 11:55:35 |        |

About 2009-09-10 11:56:35

LPR GPS

Info Setup Menu Hazard

2012-09-04

2012-0369

PSP/RTK000030

Type License Plate Number using MDT keyboard or on-screen keyboard

Choose License Plate State

**LPR Mobile Plate Hunter 90**

Vehicle:  named  Pending Alert:

Hot list:  Hot list results:  Reports:  Report results:  Cartography:

Plate:  State:

Note:

Search:

Insert:

Delete:

Up to 100 Characters of additional info

|      |   |   |       |   |   |   |      |   |       |
|------|---|---|-------|---|---|---|------|---|-------|
| 1    | 2 | 3 | 4     | 5 | 6 | 7 | 8    | 9 | 0     |
| A    | S | D | R     | T | Y | U | I    | O | P     |
| Z    | X | C | V     | B | N | M | ◀    | ▼ | ▶     |
| Caps |   |   | #@... |   |   |   | Canc |   | Close |

About:  LPR: ☐ GPS: ☐ Hazard:

2009-09-10 08:47:09

# Select Alarm Class

**LPR Mobile Plate Hunter 900**

Vehicle: Unnamed Pending Alerts 0

Alerts ☐ ☒

Hot list Hot list results Reports Report results Cartography

Plate GTR8753 State PA - PENNSYLVANIA

Note Put your notes in this space: ie Amber Alert, Bolo etc

Please, select alarm class

|      |   |   |         |               |   |         |   |   |                                                      |  |  |   |
|------|---|---|---------|---------------|---|---------|---|---|------------------------------------------------------|--|--|---|
| 1    | 2 | 3 | Class 1 |               |   | Class 2 |   |   | Class 3                                              |  |  | 0 |
| Q    | W | E | Class 4 |               |   | Class 5 |   |   | Skip                                                 |  |  | P |
| A    | S | D | F       | G             | H | K       | L | ▲ | <input type="button" value="Delete local hot list"/> |  |  |   |
| Z    | X | C | V       | Select "Skip" |   |         | ◀ | ▼ |                                                      |  |  | ▶ |
| Caps |   |   | #@...   |               |   | Canc    |   |   | <input type="button" value="Close"/>                 |  |  |   |

About 2009-09-10 08:47:31 LPR ☐ GPS ☐ Hazard

2012-09-04

2012-0369

PSP/RTK000032

LPR

Mobile Plate Hunter 900

Alerts

☐

☒

Vehicle: Unnamed

Pending Alerts

0

Hot list

Hot list results

Reports

Report results

Cartography

Plate

GTR8753

State

PA - PENNSYLVANIA

Search

Note

Put your notes in this space: ie Amber Alert, Bolo etc

Plate insertion succeeded

1

2

3

4

9

0

Select "OK"

E

R

OK

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Caps

#@...

Canc

About

2009-09-10 08:47:44

LPR

☐

GPS

☐

Hazard

2012-09-04

2012-0369

PSP/RTK000033

LPR

Mobile Plate Hunter 900

Alerts

☐

☒

Vehicle: Unnamed

Pending Alerts

0

Hot list

Hot list results

Reports

Report results

Cartography

Plate

GTR8753

State

PA - PENNSYLVANIA

Search

Note

Put your notes in this space: ie Amber Alert, Bolo etc

Insert

Delete

Search plate in previous reads ?

1

2

3

0

Select "OK"

OK

Cancel

P

Delete local hot list

A

S

D

F

G

H

J

K

L

▲

Z

X

C

V

B

N

M

◀

▼

▶

Caps

#@...

Canc

Close

About

2009-09-10 08:47:58

LPR

☐

GPS

☐

Hazard

# Plate Found In Previous Read

**LPR Mobile Plate Hunter 900**

Vehicle: Unnamed Pending Alerts 0

Alerts ☐ ☒

Hot list Hot list results Reports Report results Cartography

Found matches : 3

| Date                | Plate   | State | Reader | Lat      | Long     |
|---------------------|---------|-------|--------|----------|----------|
| 2009-09-10 08:45:02 | GTR8753 | ?     | Left   | 0.000000 | 0.000000 |
| 2009-09-10 08:43:58 | GTR8753 | ?     | Right  | 0.000000 | 0.000000 |
| 2009-09-10 08:24:50 | GTR8753 | ?     | Right  | 0.000000 | 0.000000 |

No Coordinates

Class

Source

Note

GPS Not Enabled

Export Close

About 2009-09-10 08:43:15 LPR ☐ GPS ☐ Hazard

2012-09-04

# Removing Manually Inserted Tag

**LPR Mobile Plate Hunter 900**

Vehicle: Unnamed Pending Alerts 0

Hot list Hot list results Reports Report results Cartography

Plate **GTR8753** State **PA - PENNSYLVANIA** Search

Note Put your notes in this space, ie. Amber Alert, BOLO, etc Insert

Enter tag Delete

|      |   |   |   |   |   |                       |   |      |                       |       |
|------|---|---|---|---|---|-----------------------|---|------|-----------------------|-------|
| 1    | 2 | 3 | 4 | 5 | 6 | 7                     | 8 | 9    | 0                     |       |
| Q    | W | E | R | T | Y | U                     | I | O    | P                     |       |
| A    | S | D | F | G | H | Delete Local Hot List |   | ▲    | Delete local hot list |       |
| Z    | X | C | V | B | N | M                     | ◀ | ▼    |                       | ▶     |
| Caps |   |   |   |   |   | #@...                 |   | Canc |                       | Close |

About 2009-09-10 08:58:59 LPR GPS Hazard

2012-0369

PSP/RTK000035

# Data Collection Form

- NUMBER OF HOURS USED DURING SHIFT?  
(# of hours ALPR was in use capturing images)
- NUMBER OF LICENSE PLATES SCANNED DURING SHIFT?  
(Total # images ALPR captured-from end-of-shift statistic display)
- NUMBER OF ALERTS? (From end-of-shift statistic display)
- NUMBER OF CONFIRMED ALERTS? (confirmed through NCIC)
- NUMBER OF RECOVERED STOLEN PLATES?
- NUMBER OF RECOVERED STOLEN VEHICLES?
- NUMBER OF FELONY ARRESTS?
- NUMBER OF MISDEMEANOR ARRESTS? \_\_\_\_\_
- SECTIONS CHARGED? \_\_\_\_\_
- \_\_\_\_\_  
(Vehicle Code-VC / Crime's Code-CC)
- LOCATION OF RECOVERY/ARREST? COUNTY: \_\_\_\_\_
- MUNICIPALITY: \_\_\_\_\_ ROUTE: \_\_\_\_\_

2012-09-04

2012-0369

PSP/RTK000037

# Shift Reporting

LPR

Mobile Plate Hunter 900

Alerts

Vehicle: Unnamed

Pending Alerts 0

+

⊙

⊗

Character in Parenthesis

Management

Hot list last u

2009-09-10 08:3

Operations

Readers

▶

□

Select "Operations"

Left

AER[00]SMT

?

12:34:13

Alarm

Last events

| Reads | Plate      | Char | Time     |
|-------|------------|------|----------|
| Left  | AER[00]SMT | ?    | 12:34:13 |
| Left  | FP55439    | ?    | 12:33:36 |
| Left  | ETW2420    | ?    | 12:32:55 |
| Left  | YXP69      | ?    | 12:32:54 |
| Right | XPW9215    | ?    | 12:31:24 |
| Right | DRN0369    | ?    | 12:31:20 |

Alarms

|      |         |    |          |
|------|---------|----|----------|
| Left | HCM2264 | PA | 12:31:25 |
| Left | HCM2264 | PA | 12:30:50 |
| Left | HCM2264 | PA | 12:29:58 |

Info

Setup

Menu

Hazard

About

2009-09-11 12:35:02

LPR

GPS

# Reports Window

**Select "Reports"**

**Mobile Plate Hunter 900**

Pending Alerts: 0

Alerts: [X]

Hot list | Hot list results | **Reports** | Report results | Cartography

Start: 11/09/2009 11:13

End: 11/09/2009 13:13

Plate: [?] - ALL STATES

Search

Alarms  
Rejected alarms  
Reads

**Search**

**Defaults to Hot List**

**Defaults to Last Hour**

**Select "Reads"**

January 2008  
February 2009  
March 2009  
April 2009  
May 2009  
June 2009  
July 2009  
August 2009  
September 2009  
October 2009  
November 2009  
December 2009

Data download  
General report  
Shift report  
Close

About  
2009-09-11 12:36:48  
LPR  
GPS  
Hazard

# Report Results

Select "Reports"

File Plate Hunter 900

Alerts ☐

Vehicle: Unnamed

Pending Alerts 0

Hot list

Hot list results

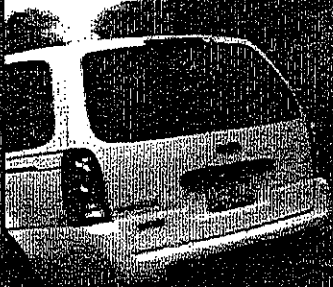
Reports

Report results

Cartography

Found matches : 255

| Date                | State               | Reader | Lat       | Long       |
|---------------------|---------------------|--------|-----------|------------|
| 2009-09-11 11:37:23 | G                   | Left   | 40.339600 | -76.709900 |
| 2009-09-11 11:37:21 | D                   | Left   | 40.339600 | -76.709900 |
| 2009-09-11 11:37:20 | G                   | Left   | 40.339632 | -76.709823 |
| 2009-09-11 11:37:20 | [00D]B7[11]629      | Left   | 40.339632 | -76.709823 |
| 2009-09-11 11:37:15 | YTL6807             | Right  | 40.339715 | -76.709635 |
| 2009-09-11 11:36:37 | [00]8318            | Left   | 40.340398 | -76.707482 |
| 2009-09-11 11:33:40 | GJM2652             | Left   | 40.336748 | -76.711357 |
| 2009-09-11 11:33:34 | [00][00][00][00]... | Left   | 40.336652 | -76.711623 |
| 2009-09-11 11:33:25 | YDS3825             | Right  | 40.336108 | -76.711490 |
| 2009-09-11 11:33:21 | GVY0984             | Left   | 40.336083 | -76.711387 |



# of Reads

+

-

0

X

D

L

Class

Source

Note

Export

Close

About  
2009-09-11 12:38:49

LPR ☐

GPS ☐

Hazard ☐

- 7045 -

# Reports Window

**LPR Mobile Plate Hunter 900**

Vehicle: Unnamed Pending Alerts 0

Alerts ☐ ☒

Hot list Hot list results Reports Report results Cartography

Start 11 09 2009 12  
Day Month Year Hour

End 11 09 2009 13

Alarms  
Rejected alarms  
Reads

Search

Plate State ? - ALL STATES

|    |    |    |    |    |    |                       |          |      |               |
|----|----|----|----|----|----|-----------------------|----------|------|---------------|
| 1  | 2  | 3  | 4  | 5  | 6  | January               | February | 2008 | Data download |
| 7  | 8  | 9  | 10 | 11 | 12 | March                 | April    | 2009 |               |
| 13 | 14 | 15 | 16 | 17 | 18 | May                   | June     |      |               |
| 19 | 20 | 21 | 22 | 23 | 24 | Select "Shift report" |          |      |               |
| 25 | 26 | 27 | 28 | 29 | 30 | September             | October  |      |               |
| 31 |    |    |    |    |    | November              | December |      |               |

General report

Shift report

Close

About 2009-09-11 12:35:43

LPR ☐ GPS ☐ Hazard

# Shift Report Window

The screenshot shows a 'Shift Report Window' for a vehicle named 'Unnamed'. It displays a table of hourly data for the date 2009-09-11. The table has four columns: 'Hour', 'Reads', 'Alarms', and 'Rejected alarms'. The 'Hour' column lists 24 hourly intervals from 00-01 to 23-00. The 'Reads' column shows values for most hours, with 148 for 11-12 and 107 for 12-13. The 'Alarms' column shows 4 for 12-13. The 'Rejected alarms' column shows 1 for 12-13. Callouts point to the 'Hours' header, 'Reads' header, 'Alarms' header, 'Rejected Alarms' header, 'Actual # of hours used' (pointing to the 11-12 row), 'Date' (2009-09-11), '# of Reads' (148), '# of Alarms' (4), '# of Rejected Alarms' (1), 'Export' button, 'Back' button, and a note to 'Select "Back" to Exit'.

| Hour    | Reads | Alarms | Rejected alarms |
|---------|-------|--------|-----------------|
| 00 - 01 | 0     | 0      | 0               |
| 01 - 02 | 0     | 0      | 0               |
| 02 - 03 | 0     | 0      | 0               |
| 03 - 04 | 0     | 0      | 0               |
| 04 - 05 | 0     | 0      | 0               |
| 05 - 06 | 0     | 0      | 0               |
| 06 - 07 | 0     | 0      | 0               |
| 07 - 08 | 0     | 0      | 0               |
| 08 - 09 | 0     | 0      | 0               |
| 09 - 10 | 0     | 0      | 0               |
| 10 - 11 | 0     | 0      | 0               |
| 11 - 12 | 148   | 0      | 0               |
| 12 - 13 | 107   | 4      | 1               |
| 13 - 14 | 0     | 0      | 0               |
| 14 - 15 | 0     | 0      | 0               |
| 15 - 16 | 0     | 0      | 0               |
| 16 - 17 | 0     | 0      | 0               |
| 17 - 18 | 0     | 0      | 0               |
| 18 - 19 | 0     | 0      | 0               |
| 19 - 20 | 0     | 0      | 0               |
| 20 - 21 | 0     | 0      | 0               |
| 21 - 22 | 0     | 0      | 0               |
| 22 - 23 | 0     | 0      | 0               |
| 23 - 00 | 0     | 0      | 0               |

Buttons: Export, Back, Hazard

Status: 2009-09-11 12:36:13

Footer: About, LPR, GPS



The Diagnostics tab allows you to turn on a video stream to calibrate cameras



The system will not scan tags while in live mode

# Shutting Down

- Close the open screens
- Shut down the Laptop.
- **Unplug** the ALPR from the cigarette lighter socket.

**\* Failure to do so will result in a dead battery after several hours.\***

## **Short guide**

- Load the Hot List onto thumb drive from the iNet
- Transfer ALPR Hot List from thumb drive to laptop.
- Ensure ALPR is plugged in.
- Double-click the desktop icon labeled "Car System"
- The username is "PSP User" (no password required). Tap "Ok"
- Tap "LPR Mobile Plate Hunter 900"
- The picture / video feed will not update until a plate is read
- Ensure LPR and GPS lights are Green
- The ALPR software can be minimized so that other applications (such as Mobile Cop, etc) can be used.

# Procedural Regulations

- The Alarm is Not Probable Cause for a stop. The ALPR is merely an indicator that this tag requires further scrutiny and investigation.
- Refer to the Automated License Plate Reader Special Order
- Prior to the end of your shift, complete the ALPR Usage form and submit to the shift supervisor
- Damage to the camera shall be immediately reported to the shift supervisor and recorded on Form SP3-404 Loss of or Damage to Commonwealth Property or Equipment

# Procedural Regulation

Trooper **MUST** verify the Alarm through CLEAN/NCIC by running the tag in Mobile Cop or by contacting the dispatcher to verify the hit **BEFORE CONDUCTING THE TRAFFIC STOP.**



# Legal Considerations

- A vehicle license plate observed lawfully in plain view and the data-base containing the owners information are not constitutionally protected
- There should not be any legal impediment to the use of a license plate reader by law enforcement
- A license plate reader merely accomplishes, more efficiently, the same task that a police officer may accomplish by reading a license plate and manually entering the number into a data-base. As such, the alarm from the ALPR is merely an indicator that this tag requires further scrutiny and investigation.

# Known Issues

- Difficulty in reading Tags with stacked lettering
- Will take pictures of street signs, truck lettering, mailbox numbers etc. due to the reflectivity.
- Does not consistently read tags more than two lanes of traffic away
- Road Salt may interfere with Camera ability to read tags

# Inclement Weather



Color View

About

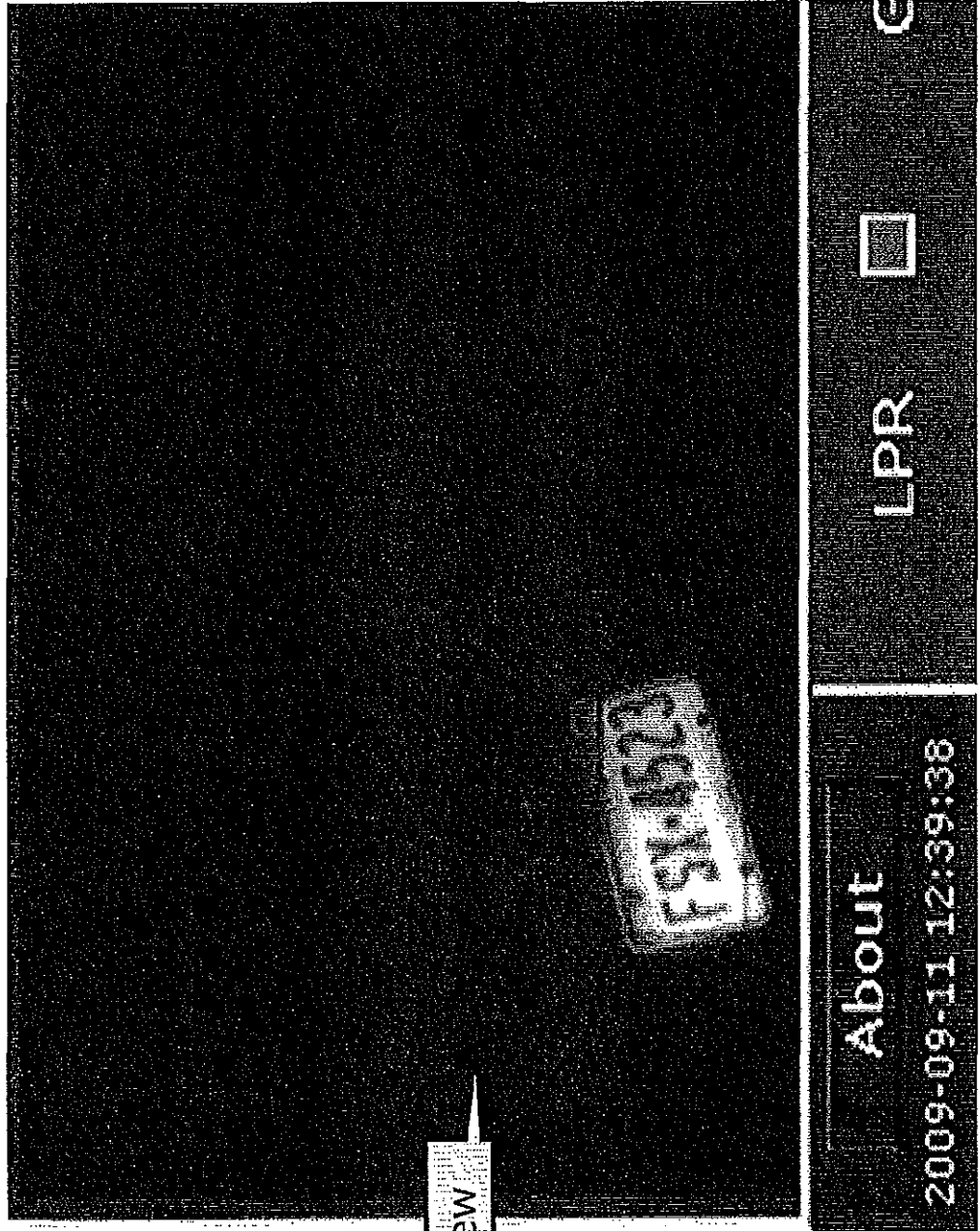
2009-09-11 12:39:27

LPR



C

# Infrared View



2012-09-04

2012-0369

PSP/RTK000052

# Known Issues

**LPR Mobile Plate Hunter 900**

Vehicle: Unnamed Pending Alerts 0

Alerts ☐ ☒

Management Diagnostics

Hot list last update  
2009-09-10 08:39

Operations

Readers

Read "rooper"

Right [RB][00][00Q]PE[RB] ? 11:57:52

Alarm Last events

| Reads |                |   |          |
|-------|----------------|---|----------|
| Right | [RB][00][00... | ? | 11:57:52 |
| Left  | FCG2773        | ? | 11:57:37 |
| Left  | H11[00Q]       | ? | 11:57:35 |
| Left  | 28591PA        | ? | 11:57:31 |
| Left  | GJM2652        | ? | 11:57:24 |
| Right | GTS1591        | ? | 11:57:19 |

Alarms

Info Setup Menu Hazard

About 2009-09-10 11:57:57 LPR ☐ GPS ☐

**ROOPER**

# Infrared View

2009-09-1

Opera

Readers



TROOPER

Infrared view

[RB][00][00Q]PE[RB]

?

11:57:52

events

Alarms

B[00][00...

?

11:57:52

2012-09-04

2012-0369

PSP/RTK000054

# Known Issue

The screenshot displays the LPR Mobile Plate Hunter 900 interface. At the top, it shows 'Vehicle: Unnamed' and 'Pending Alerts: 0'. The main display area shows a camera feed of a white SUV. A callout box points to the grill of the vehicle with the text 'Reads Grill of vehicle'. Below the camera feed, there is a table of reads. A callout box points to the first row of the table with the text 'Reads as a series of L's'.

**LPR Mobile Plate Hunter 900**

Vehicle: Unnamed Pending Alerts: 0

Management Diagnostics

Hot list last update: 2009-09-10 08:39

Operations

Readers

Left LLLLLL ? 11:55:51

Alarm Last events

| Reads        | Left | Time     |
|--------------|------|----------|
| LLLLLL       | ?    | 11:55:51 |
| DPD7959      | ?    | 11:55:36 |
| HDA7521      | ?    | 11:55:35 |
| [UL0]LLLL    | ?    | 11:55:32 |
| GBW8818      | ?    | 11:55:32 |
| [00D][11]947 | ?    | 11:55:30 |

Info Setup Menu Hazard

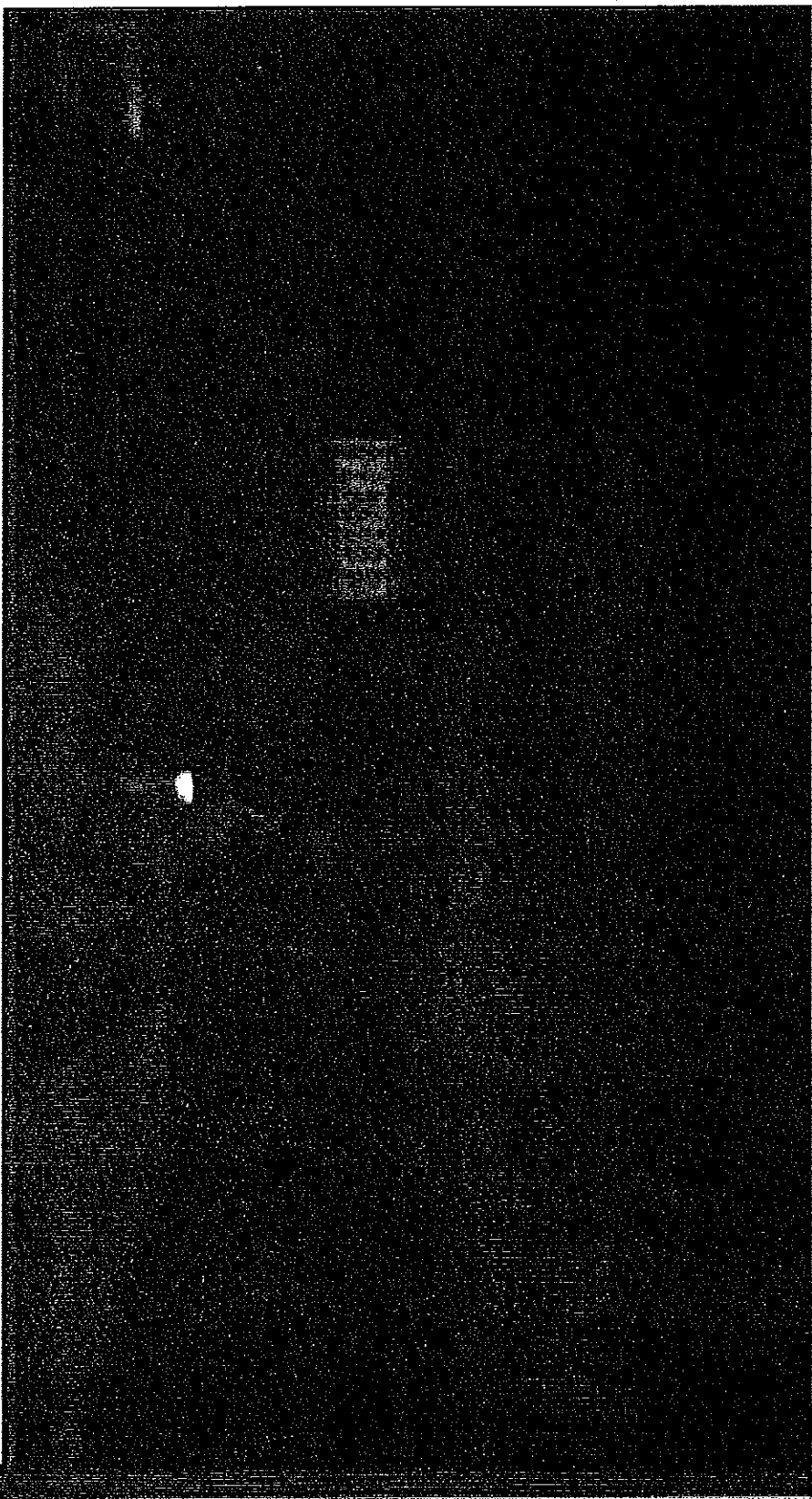
About 2009-09-10 11:55:57 LPR GPS

The screenshot displays the LPR Mobile Plate Hunter 900 software interface. At the top, a status bar includes 'LPR Mobile Plate Hunter 900', 'Vehicle: Unnamed', 'Pending Alerts 0', and 'Alarm Last events'. The main display area is titled 'Infrared View' and shows a thermal image of a vehicle's front end, including the grille and headlights. To the left of the main view are four circular icons representing different camera or sensor modes. To the right are controls for 'Left' and 'Right' views, a '?' icon, and a timestamp '11:55:51'. At the bottom, there are several rectangular buttons with icons, including a magnifying glass, a crosshair, and a triangle, along with a 'Readers' label.



2009-09-10 11:52:43

2009-09-10 11:52:43



About

2009-09-10 11:52:43



LPR



# Removal of Cameras

- Consideration should be given to remove the cameras from the trunk lid when the vehicle will be left unattended in an area where the probability of damage or theft is extremely high

## Contact Info

For all ALPR issues contact  
PSP Help Desk  
1-877-777-3375

Do Not Contact Vendor  
Directly



## Statistics from ALPR Units

| Reporting Period    | Hours           | Reads             | Alerts        | Confirmed Alerts | Recovered Stolen Plates | Recovered Stolen Vehicle | Felony Arrests | Misdemeanor Arrests |
|---------------------|-----------------|-------------------|---------------|------------------|-------------------------|--------------------------|----------------|---------------------|
| 4th Qtr. '09 TOTALS | 5,760           | 1,281,230         | 2,200         | 44               | 13                      | 12                       | 8              | 14                  |
| 1st Qtr. '10 TOTALS | 5,914.5         | 1,093,362         | 1,981         | 28               | 12                      | 5                        | 3              | 4                   |
| 2nd Qtr. '10 TOTALS | 7,174           | 1,474,011         | 2,506         | 49               | 13                      | 15                       | 7              | 5                   |
| 3rd Qtr. '10 TOTALS | 7,238           | 1,658,348         | 2,801         | 47               | 13                      | 15                       | 9              | 7                   |
| 4th Qtr. '10 TOTALS | 5,831           | 1,086,936         | 5,922         | 44               | 15                      | 8                        | 3              | 5                   |
| 1st Qtr. '11 TOTALS | 4,464           | 690,749           | 1,112         | 17               | 8                       | 4                        | 1              | 4                   |
| 2nd Qtr. '11 TOTALS | 5,001           | 1,021,883         | 1,794         | 24               | 9                       | 5                        | 3              | 8                   |
| 3rd Qtr. '11 TOTALS | 12,568          | 2,384,565         | 4,943         | 72               | 23                      | 20                       | 12             | 19                  |
| 4th Qtr. '11 TOTALS | 5,494           | 854,945           | 1,048         | 20               | 3                       | 11                       | 2              | 3                   |
| 1st Qtr. '12 TOTALS | 2967            | 510,651           | 582           | 16               | 3                       | 4                        | 4              | 0                   |
| <b>TOTAL</b>        | <b>62,411.0</b> | <b>12,056,680</b> | <b>24,889</b> | <b>361</b>       | <b>112</b>              | <b>99</b>                | <b>52</b>      | <b>69</b>           |