



Federal Bureau of Investigation  
Washington, D.C. 20535

February 7, 2013

MR. ALAN BUTLER  
ELECTRONIC PRIVACY INFORMATION CENTER  
SUITE 200  
1718 CONNECTICUT AVENUE, NW  
WASHINGTON, DC 20009

Subject: STINGRAY/CELL SITE SIMULATOR DEVICES

FOIPA No. 1182490-000

Dear Mr. Butler:

The enclosed documents were reviewed under the Freedom of Information/Privacy Acts (FOIPA), Title 5, United States Code, Sections 552/552a. Deletions have been made to protect information which is exempt from disclosure, with the appropriate exemptions noted on the page next to the excision. In addition, a deleted page information sheet was inserted in the file to indicate where pages were withheld entirely. The exemptions used to withhold information are marked below and explained on the enclosed Explanation of Exemptions:

Section 552		Section 552a	
<input checked="" type="checkbox"/> (b)(1)	<input type="checkbox"/> (b)(7)(A)	<input type="checkbox"/> (d)(5)	
<input type="checkbox"/> (b)(2)	<input type="checkbox"/> (b)(7)(B)	<input type="checkbox"/> (j)(2)	
<input checked="" type="checkbox"/> (b)(3)	<input checked="" type="checkbox"/> (b)(7)(C)	<input type="checkbox"/> (k)(1)	
<u>The National Security Act of 1947</u>	<input type="checkbox"/> (b)(7)(D)	<input type="checkbox"/> (k)(2)	
_____	<input checked="" type="checkbox"/> (b)(7)(E)	<input type="checkbox"/> (k)(3)	
_____	<input type="checkbox"/> (b)(7)(F)	<input type="checkbox"/> (k)(4)	
<input checked="" type="checkbox"/> (b)(4)	<input type="checkbox"/> (b)(8)	<input type="checkbox"/> (k)(5)	
<input checked="" type="checkbox"/> (b)(5)	<input type="checkbox"/> (b)(9)	<input type="checkbox"/> (k)(6)	
<input checked="" type="checkbox"/> (b)(6)		<input type="checkbox"/> (k)(7)	

611 page(s) were reviewed and 231 page(s) are being released.

Document(s) were located which originated with, or contained information concerning other Government agency(ies) [OGA]. This information has been:

- referred to the OGA for review and direct response to you.
- referred to the OGA for consultation. The FBI will correspond with you regarding this information when the consultation is finished.

In accordance with standard FBI practice and pursuant to FOIA exemption (b)(7)(E) [5 U.S.C. § 552 (b)(7)(E)], this response neither confirms nor denies the existence of your subject's name on any watch lists.

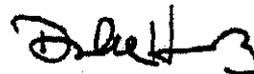
For your information, Congress excluded three discrete categories of law enforcement and national security records from the requirements of the FOIA. See 5 U.S.C. § 552(c) (2006 & Supp. IV (2010)). This response is limited to those records that are subject to the requirements of the FOIA. This is a standard notification that is given to all our requesters and should not be taken as an indication that excluded records do, or do not, exist.

You have the right to appeal any denials in this release. Appeals should be directed in writing to the Director, Office of Information Policy (OIP), U.S. Department of Justice, 1425 New York Ave., NW, Suite 11050, Washington, D.C. 20530-0001, or you may submit an appeal through OIP's eFOIA portal at <http://www.justice.gov/oip/efoia-portal.html>. Your appeal must be received by OIP within sixty (60) days from the date of this letter in order to be considered timely. The envelope and the letter should be clearly marked "Freedom of Information Appeal." Please cite the FOIPA Request Number assigned to your request so that it may be easily identified.

The enclosed material is from the main investigative file(s) in which the subject(s) of your request was the focus of the investigation. Our search located additional references, in files relating to other individuals, or matters, which may or may not be about your subject(s). Our experience has shown when ident, references usually contain information similar to the information processed in the main file(s). Because of our significant backlog, we have given priority to processing only the main investigative file(s). If you want the references, you must submit a separate request for them in writing, and they will be reviewed at a later date, as time and resources permit.

See additional information which follows.

Sincerely,



David M. Hardy  
Section Chief  
Record/Information Dissemination Section  
Records Management Division

For your information, sealed court records are not eligible for release under the Freedom of Information Act (FOIA). Some of the material responsive to your request has been withheld pursuant to a sealing order in the United States District Court, Southern District of Alabama.

This represents the fifth interim release of information responsive to your Freedom of Information Act (FOIA) request.

Enclosure(s)

## EXPLANATION OF EXEMPTIONS

### SUBSECTIONS OF TITLE 5, UNITED STATES CODE, SECTION 552

- (b)(1) (A) specifically authorized under criteria established by an Executive order to be kept secret in the interest of national defense or foreign policy and (B) are in fact properly classified to such Executive order;
- (b)(2) related solely to the internal personnel rules and practices of an agency;
- (b)(3) specifically exempted from disclosure by statute (other than section 552b of this title), provided that such statute(A) requires that the matters be withheld from the public in such a manner as to leave no discretion on issue, or (B) establishes particular criteria for withholding or refers to particular types of matters to be withheld;
- (b)(4) trade secrets and commercial or financial information obtained from a person and privileged or confidential;
- (b)(5) inter-agency or intra-agency memorandums or letters which would not be available by law to a party other than an agency in litigation with the agency;
- (b)(6) personnel and medical files and similar files the disclosure of which would constitute a clearly unwarranted invasion of personal privacy;
- (b)(7) records or information compiled for law enforcement purposes, but only to the extent that the production of such law enforcement records or information ( A ) could be reasonably be expected to interfere with enforcement proceedings, ( B ) would deprive a person of a right to a fair trial or an impartial adjudication, ( C ) could be reasonably expected to constitute an unwarranted invasion of personal privacy, ( D ) could reasonably be expected to disclose the identity of confidential source, including a State, local, or foreign agency or authority or any private institution which furnished information on a confidential basis, and, in the case of record or information compiled by a criminal law enforcement authority in the course of a criminal investigation, or by an agency conducting a lawful national security intelligence investigation, information furnished by a confidential source, ( E ) would disclose techniques and procedures for law enforcement investigations or prosecutions, or would disclose guidelines for law enforcement investigations or prosecutions if such disclosure could reasonably be expected to risk circumvention of the law, or ( F ) could reasonably be expected to endanger the life or physical safety of any individual;
- (b)(8) contained in or related to examination, operating, or condition reports prepared by, on behalf of, or for the use of an agency responsible for the regulation or supervision of financial institutions; or
- (b)(9) geological and geophysical information and data, including maps, concerning wells.

### SUBSECTIONS OF TITLE 5, UNITED STATES CODE, SECTION 552a

- (d)(5) information compiled in reasonable anticipation of a civil action proceeding;
- (j)(2) material reporting investigative efforts pertaining to the enforcement of criminal law including efforts to prevent, control, or reduce crime or apprehend criminals;
- (k)(1) information which is currently and properly classified pursuant to an Executive order in the interest of the national defense or foreign policy, for example, information involving intelligence sources or methods;
- (k)(2) investigatory material compiled for law enforcement purposes, other than criminal, which did not result in loss of a right, benefit or privilege under Federal programs, or which would identify a source who furnished information pursuant to a promise that his/her identity would be held in confidence;
- (k)(3) material maintained in connection with providing protective services to the President of the United States or any other individual pursuant to the authority of Title 18, United States Code, Section 3056;
- (k)(4) required by statute to be maintained and used solely as statistical records;
- (k)(5) investigatory material compiled solely for the purpose of determining suitability, eligibility, or qualifications for Federal civilian employment or for access to classified information, the disclosure of which would reveal the identity of the person who furnished information pursuant to a promise that his/her identity would be held in confidence;
- (k)(6) testing or examination material used to determine individual qualifications for appointment or promotion in Federal Government service the release of which would compromise the testing or examination process;
- (k)(7) material used to determine potential for promotion in the armed services, the disclosure of which would reveal the identity of the person who furnished the material pursuant to a promise that his/her identity would be held in confidence.

16 August 2010

Federal Bureau of Investigations  
935 Pennsylvania Ave. N.W.  
Room 6869 JEH FBI Building  
Washington DC 20535

ALL INFORMATION CONTAINED  
HEREIN IS UNCLASSIFIED  
DATE 09-19-2012 BY 65179 DMH/stp

Attention: [redacted] Contracting Officer

Subject: [redacted] Proposal Dated 16 August 2010

Reference: a) [redacted] Request for Proposal (RFP) dated 25 January 2010  
b) [redacted]

Enclosure: 1) Proposal (Volume 1- Technical and Volume 2 - Cost)

Dear [redacted]

[redacted] is happy to provide its response to the Sponsors referenced (a) RFP for effort to be added under the referenced (b) [redacted] contract. Our specific assumptions used in preparing this proposal are included in both the Technical and Cost volumes.

The Consolidated Materials List (CML) for this effort currently is not finalized (non-auditable). Our staff is working to generate an fully auditable CML which we will provide during negotiations.

As requested this proposal shall remain valid for a period of sixty (60) days. [redacted] reserves the right to revise, update, or extend the validity of this proposal should the proposed rates change prior to negotiations.

Should you require further information please do not hesitate to contact the undersigned at [redacted]

Very truly yours,

[redacted signature box]

[redacted]  
Manager, Contracts

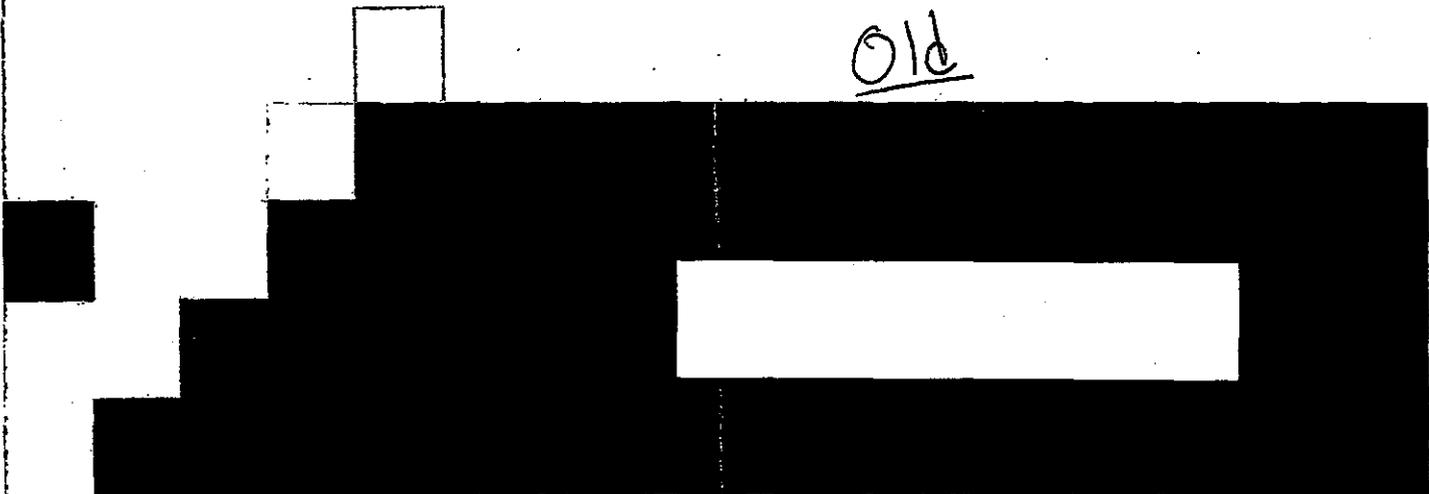
Cc: [redacted]

b3  
b6  
b7C  
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b3  
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CELL/OTD 005613

Old



*Decision Based on Technical,  
Cost & Time Criteria*

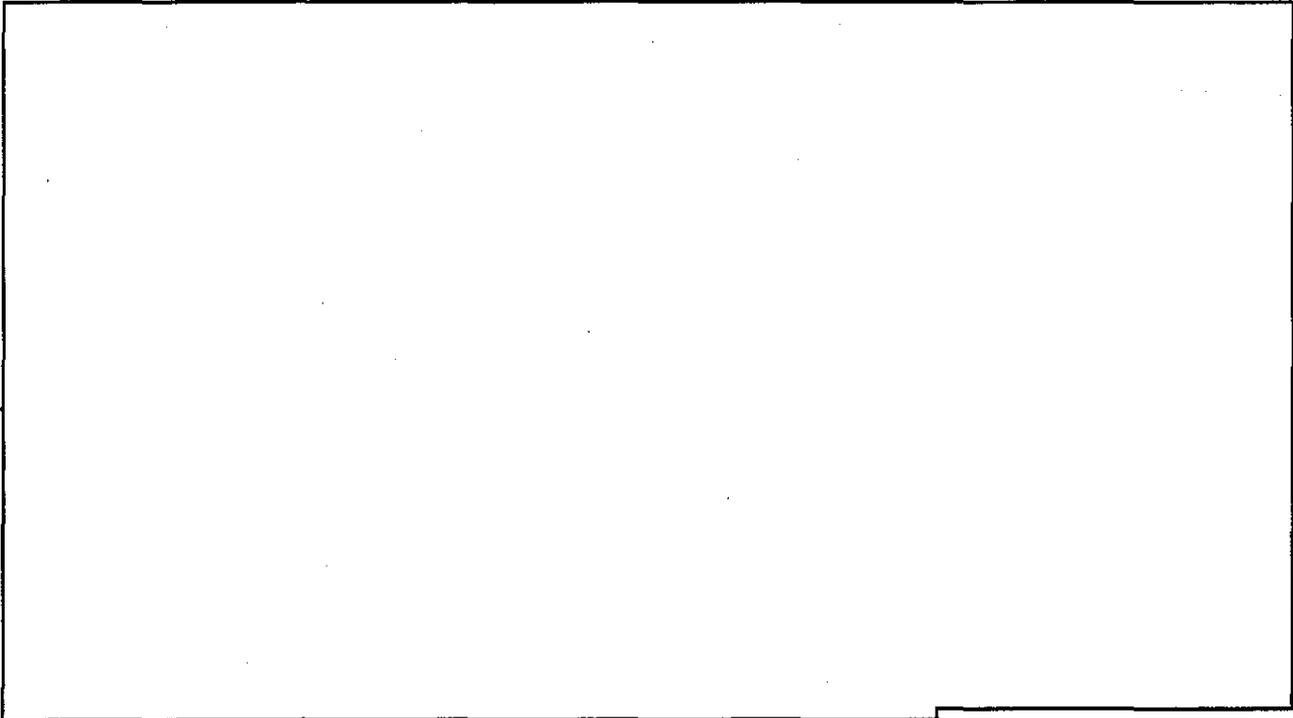
b7E

ALL INFORMATION CONTAINED  
HEREIN IS UNCLASSIFIED  
DATE 10-03-2012 BY 65179 DMH/STP



CELL/OTD 005652

**Decision Criteria: Technical, Cost, Time**



b3  
b5  
b7E



CELL:OTD 005653

Decision Criteria: Technical, Cost, Time

Technical

b3  
b5  
b7E

CELL/OTD 005654



Decision Criteria: Technical, Cost, Time

Cost

[Redacted]

Time

[Redacted]

b3  
b5  
b7E

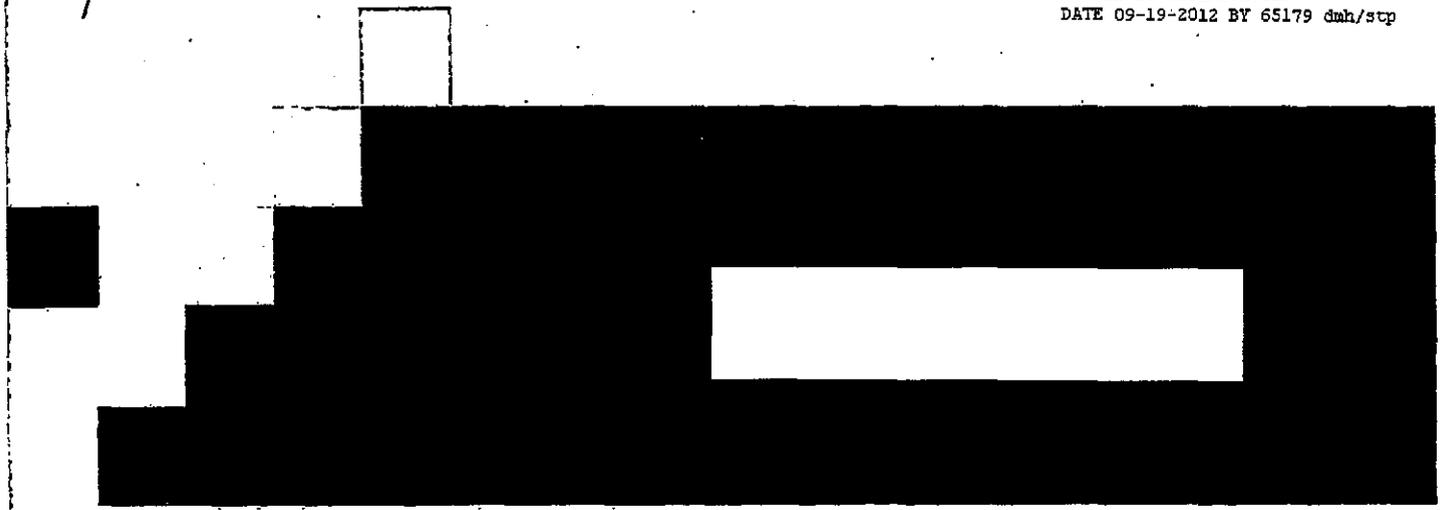
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CELL/OTD 005655

*New*

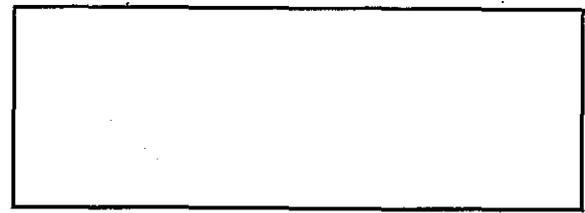
UNCLASSIFIED

ALL INFORMATION CONTAINED  
HEREIN IS UNCLASSIFIED  
DATE 09-19-2012 BY 65179 dmh/stp



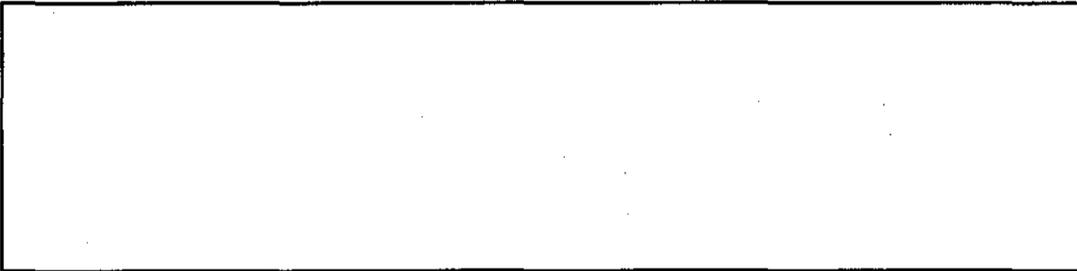
*Decision Based on Technical,  
Cost & Time Criteria*

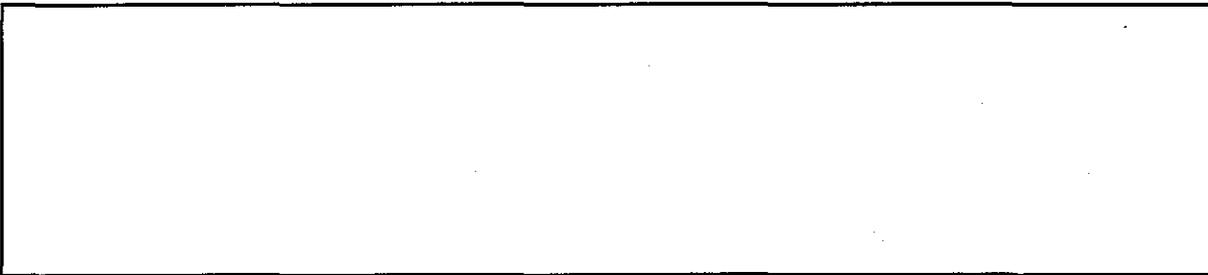
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CELL/OTD 005657

**IMPROVEMENTS/INNOVATIONS  
TO PROCESS:**

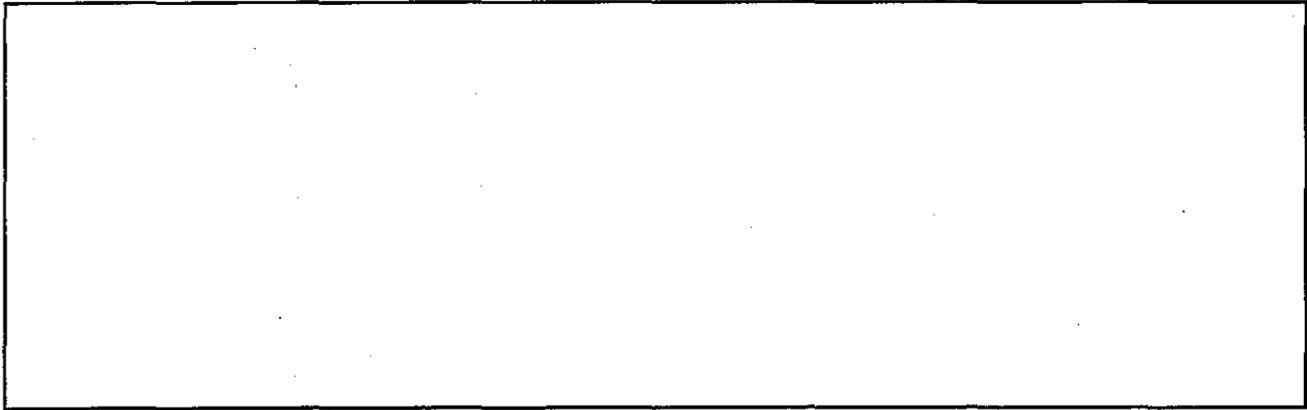
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■ 

b3  
b5  
b7E

CELL/OTD 005658

Decision Criteria: Technical, Cost, Time



b3  
b5  
b7E



b7E

CELL:010 005659

16 August 2010

Federal Bureau of Investigations  
935 Pennsylvania Ave. N.W.  
Room 6869 JEH FBI Building  
Washington DC 20535

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DATE 09-19-2012 BY 65179 DMH/stp

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The Consolidated Materials List (CML) for this effort currently is not finalized (non-auditable). Our staff is working to generate an fully auditable CML which we will provide during negotiations.

As requested this proposal shall remain valid for a period of sixty (60) days [redacted] reserves the right to revise, update, or extend the validity of this proposal should the proposed rates change prior to negotiations.

Should you require further information please do not hesitate to contact the undersigned at [redacted]

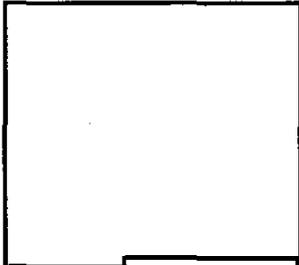
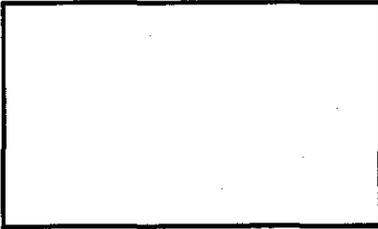
[redacted]  
Very truly yours,

[redacted]  
Manager, Contracts

Cc [redacted]

b3  
b6  
b7C  
b7E

b3  
b6  
b7C  
b7E



b3  
b6  
b7C  
b7E

09 September 2010

In Reply Please Refer to:

935 Pennsylvania Ave. N.W.  
JEH Bldg Room 6853  
Washington, D.C. 20535

ALL INFORMATION CONTAINED  
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DATE 09-19-2012 BY 65179 DMH/stp

Attention: Contracting Officer

Subject: Proposal Information:  
(a) Updated Proposal -   
(b) Fact-finding Responses -

b3  
b6  
b7C  
b7E

Reference: (a)   
(b)

(c) Government Questions and Requests for Clarification, dated 24 August 2010  
(d) Proposal discussions and fact-finding meeting held 31 August 2010 - 2 September 2010.

Dear

through its is submitting the attached responses to the Government's referenced c, fact-finding questions which includes information on software dependencies. Attached also is an updated proposal for which incorporates the changes and re-phasing of tasks requested by the Customer per references (c) and (d).

Should you require further information or wish to negotiate please contact the undersigned at



Very truly yours,



Manager, Contracts

b3  
b6  
b7C  
b7E

Cc:

Enclosures:



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HEREIN IS UNCLASSIFIED  
DATE 09-19-2012 BY 65179 DMH/stp

Subject: FW: questions?  
Date: Thu, 16 Aug 2007 09:30:51 -0400  
From: [redacted]  
To: [redacted]  
CC: [redacted]

[redacted] does this help?

b6  
b7C

From: [redacted]  
Sent: Thursday, August 16, 2007 8:59 AM  
To: [redacted]  
Subject: RE: questions?

[redacted]

From: [redacted]  
Sent: Thursday, August 16, 2007 8:38 AM  
To: [redacted]  
Subject: questions?

b3  
b6  
b7C  
b7E

[redacted]

The agent who was here yesterday had some questions. I think I know some of the answers to below but I want to be sure so I thought I'd get your input to be sure. Thanks, [redacted]

Few questions.

1. [redacted]

2. [redacted]

b3  
b6  
b7C  
b7E

3. [redacted]

[redacted]

<https://www.324mail.com/owa/?ac=Item&a=Preview&t=IPM.N...> 5/17/2012

b6  
b7c



Subject: RE: FW: questions?  
Date: Fri, 17 Aug 2007 10:04:08 -0400  
From: [redacted]  
To: [redacted]

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HEREIN IS UNCLASSIFIED  
DATE 09-19-2012 BY 65179 DMH/stp

I think setting up a training class would be great, there are a couple other guys from [redacted] group that need a training class also. It wouldn't be hard to get a full class to go over [redacted] and new [redacted]

b3  
b6  
b7C  
b7E

[redacted]

From: [redacted]  
Sent: Friday, August 17, 2007 9:06 AM  
To: [redacted]  
Cc: [redacted]  
Subject: FW: FW: questions?

b3  
b6  
b7C  
b7E

Hi [redacted]

I've been asking [redacted] for his expertise with your questions. I hope this helps. It looks like to me that you guys could use a good training class for a [redacted] I could talk to [redacted] about a quote if that would help. Don't hesitate to call or e-mail with questions. We're here to help. Thanks [redacted]

From: [redacted]  
Sent: Thursday, August 16, 2007 3:37 PM  
To: [redacted]  
Subject: RE: FW: questions?

It does generally, however let's follow-up a bit shall we.

b3  
b6  
b7C  
b7E

Question 1. I'm good

Question 2. [redacted]

[redacted]

[Redacted]

Question 3.

[Redacted]

[Redacted]

b3  
b6  
b7C  
b7E

Thanks.

[Redacted]

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**From:** [Redacted]  
**Sent:** Thursday, August 16, 2007 2:35 PM  
**To:** [Redacted]  
**Subject:** FW: FW: questions?

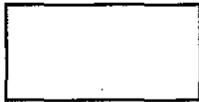
FEDERAL BUREAU OF INVESTIGATION  
FOIPA  
DELETED PAGE INFORMATION SHEET

Serial Description ~ Unrecorded Serial

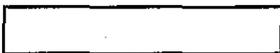
Total Deleted Page(s) ~ 36

- Page 8 ~ b5
- Page 9 ~ b5
- Page 10 ~ b5
- Page 11 ~ b5
- Page 12 ~ b6, b7E
- Page 13 ~ b5, b7E
- Page 14 ~ b5, b7E
- Page 29 ~ Duplicate
- Page 30 ~ Duplicate
- Page 31 ~ Duplicate
- Page 32 ~ Duplicate
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- Page 81 ~ b5
- Page 91 ~ b7E
- Page 98 ~ b5, b7E
- Page 100 ~ b7E
- Page 109 ~ b5, b7E
- Page 112 ~ b4, b5, b7E
- Page 113 ~ b5, b7E
- Page 115 ~ b5, b7E
- Page 116 ~ b5, b7E

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 Physical Surveillance  
Course -  
Legal Training

b7E

  
Science and Technology Law Unit  
Office of General Counsel  
Federal Bureau of Investigation

b6  
b7C

# TOPICS

- **General Discussion/Guidance**

- 

- 

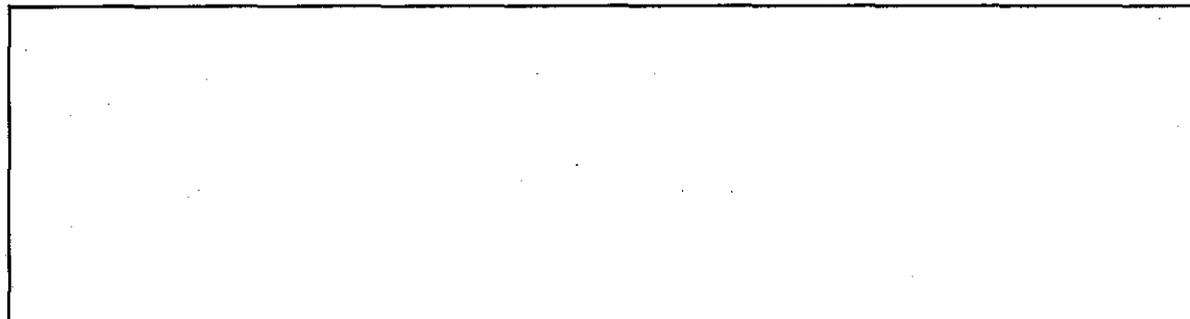
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- **Title III**

- **Law of Consent**

- **Loan of ELSUR Equipment**

# General Operational Guidelines



- Law Enforcement Sensitive collection devices, systems, and techniques are not to be disclosed. Only the product of the technical operation is disclosed.

# Law enforcement sensitive

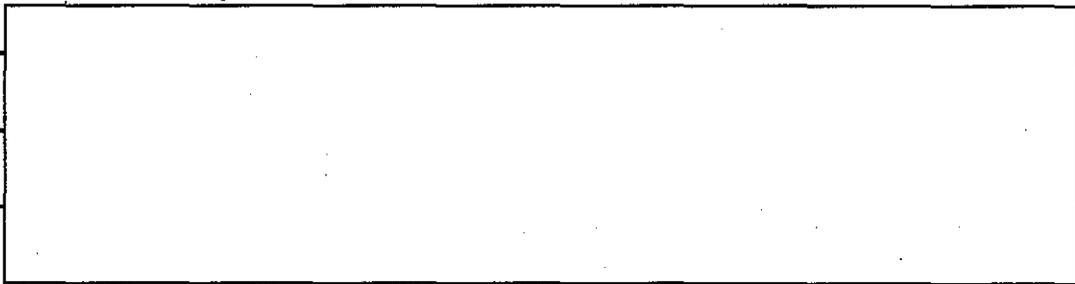
- FOUO (For Official Use Only) – a caveat applied to sensitive but unclassified information that may be exempt from release under FOIA
- LES (Law Enforcement Sensitive) is another of 9 potential exemptions under FOIA to protect law enforcement sources and methods, evidence, reports, tools and techniques, etc.
- FOUO/LES is unclassified information

# Law Enforcement Sensitive

- Law Enforcement Sensitive (LES) collection devices, systems, techniques, and related information are not to be disclosed. Only the product of the technical operation is disclosed.
- Examples  equipment is LES; CART SOPs are LES.

# Law Enforcement Sensitive

- Law Enforcement Sensitive (LES) equipment enjoys “qualified privilege”
- State/local vs. Federal prosecutions
- Testimony – how to ...



## T-III

- **Title III & Electronic Communications Protection Act**

- Title III, 18 USC sec. 2510, Omnibus Crime Control and Safe Streets Act, Commonly referred to as the Wire Tap Act
- As amended by the ECPA, Title III **prohibits the interception of wire and oral communications, and electronic communications.**
- Provides for criminal penalties and civil damages against anyone who “intentionally intercepts, endeavors to intercept” any covered communication.

# Title III Order

- **Law enforcement exception** - the government may apply for a court order authorizing an interception. 18 U.S.C. §2516(1)
- Application must specify the offense being investigated, the nature and location of the facilities where the communications are to be intercepted, and a particular description of the communications sought to be intercepted. 18 U.S.C. § 2518(1)
- Standard: **Probable cause** to believe that a particular offense is being committed and that targeting the specified facility will yield communications concerning the offense. 18 U.S.C. § 2518(3)

## Title III Order (cont.)

- Good for up to thirty (30) days. Extensions allowed, but same PC standard applies to extension. 18 U.S.C. § 2518(5)
- Required to “minimize” the interception unrelated to criminal activity. 18 U.S.C. § 2518(5)
- Requires a finding that normal investigative procedures are unlikely to be successful or are too dangerous. 18 U.S.C. § 2518(3)(c)
- Requires notice to the target within 90 days. 18 U.S.C. § 2518(8)(d); Delayed notice may be authorized by court.

## Pen Register/ Trap and Trace

- Court ordered surveillance
- Government must certify that information likely to be obtained by use of device “is relevant to an ongoing criminal investigation.” 18 U.S.C. § 3122(b)(2)

## What is the Pen/Trap “addressing information”?

- Dialing, Routing, Addressing, Signaling Information
- Transmitted by Instrument or Facility from which a Communication is Transmitted (outgoing call) (pen)
- Identifies Originating Number or Other D/R/A/S or is Reasonably Likely to Identify the Source (incoming call) (trap)
- Utilized in Processing or Transmission of Communications
- Is not “Contents of any...Communications”

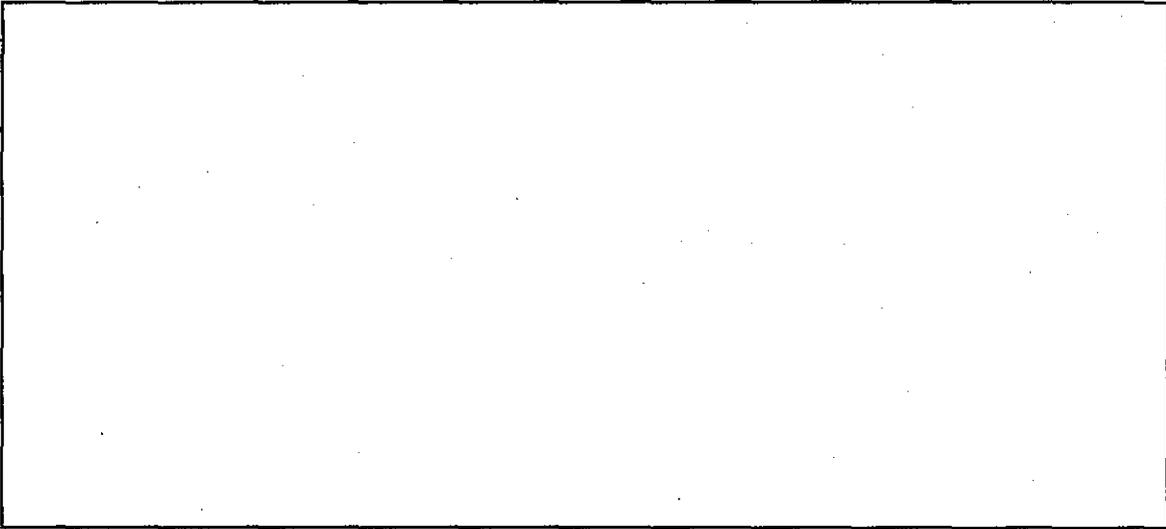
## Limitation:

- Thou shall NOT collect the Contents of any communication
  - 18 USC sec. 3121 (c) – “use technology reasonably available to restrict . . . so as not to include the contents of any wire or electronic communications”
  - 18 USC sec. 3127 pen/trap definition: “shall not include the contents of any communication”



# Law of Consent

## Versus Court Order/Search Warrant



# Loan of ELSUR Equipment

- AG Order 2954-2008
- DIOG Ch. 12 – Assistance to Other Agencies
- OTD Policy –

# CONTACT INFO

[Redacted]

Assistant General Counsel  
Office of the General Counsel  
Science and Technology Law Unit

b6  
b7c

[Redacted]

[Redacted]@ic.fbi.gov



# Physical Surveillance Course - Legal Training



Science and Technology Law Unit  
Office of General Counsel  
Federal Bureau of Investigation

b6  
b7C  
b7E

# TOPICS

- **General Discussion/Guidance**

- 

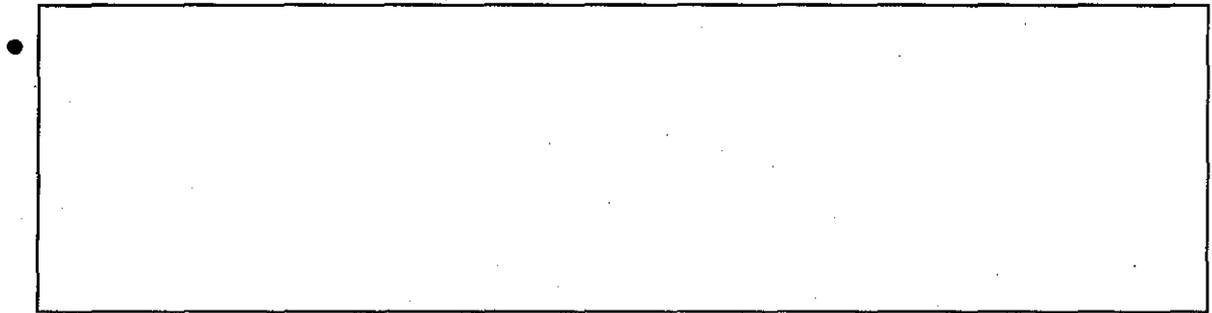
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- **Title III**

- **Law of Consent**

- **Loan of ELSUR Equipment**

# General Operational Guidelines



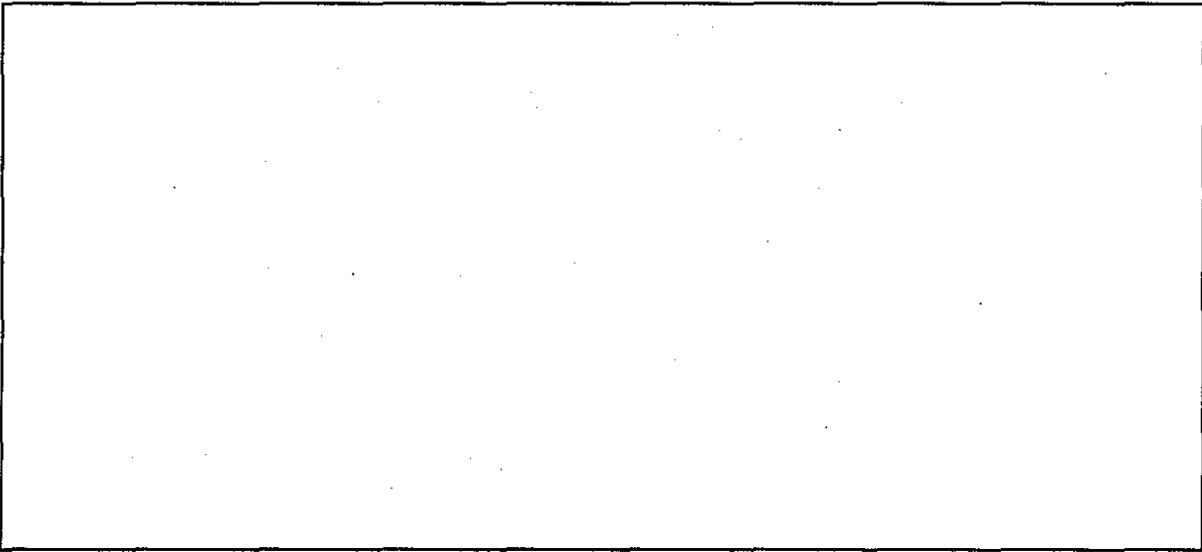
b7E

- Law Enforcement Sensitive collection devices, systems, and techniques are not to be disclosed. Only the product of the technical operation is disclosed.

# Law enforcement sensitive

- FOUO (For Official Use Only) – a caveat applied to sensitive but unclassified information that may be exempt from release under FOIA
- LES (Law Enforcement Sensitive) is another of 9 potential exemptions under FOIA to protect law enforcement sources and methods, evidence, reports, tools and techniques, etc.
- FOUO/LES is unclassified information

# Law of Consent



# Loan of ELSUR Equipment

- AG Order 2954-2008
- DIOG Ch. 12 – Assistance to Other Agencies
- OTD Policy –

# CONTACT INFO

[Redacted]

Assistant General Counsel  
Office of the General Counsel  
Science and Technology Law Unit

b6  
b7c

[Redacted]

[Redacted]@ic.fbi.gov

# TOPICS

- **General Discussion/Guidance**

- 

- 

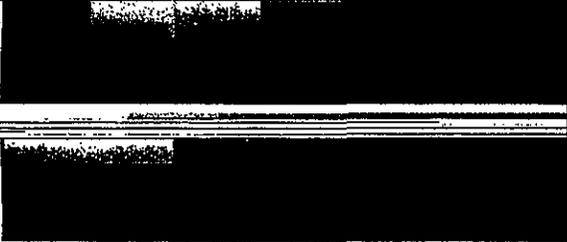
- **Title III**

- **Law of Consent**

- **Loan of ELSUR Equipment**



Tracking Technology Unit



*Legal Briefing*  
*Assistant General Counsel*

b7E



b6  
b7C

*OGC*



**Legal Authority for use of [redacted] in  
Support of Federal, State, and Local  
Requests for Assistance**

- 18 USC § 3121 - § 3125
- AG Order 2954-2008
- DIOG 11.11

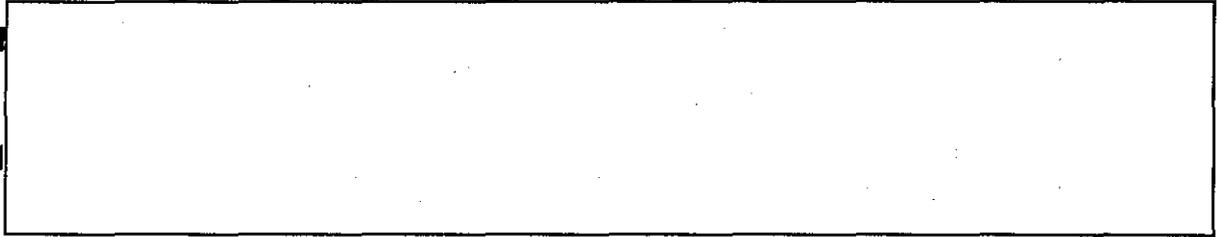
■ [redacted]

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# Legal Authority for use of Pen Register Trap and Trace

- Besides 18 USC § 3121 – 3125 (... relevant to an ongoing criminal investigation ...)

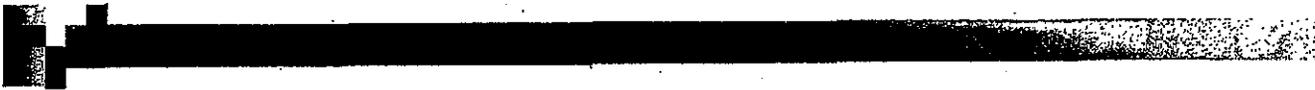


- 18 USC § 3121 states, “ ... no person may install or use a PRT&T device without first obtaining a court order ...”

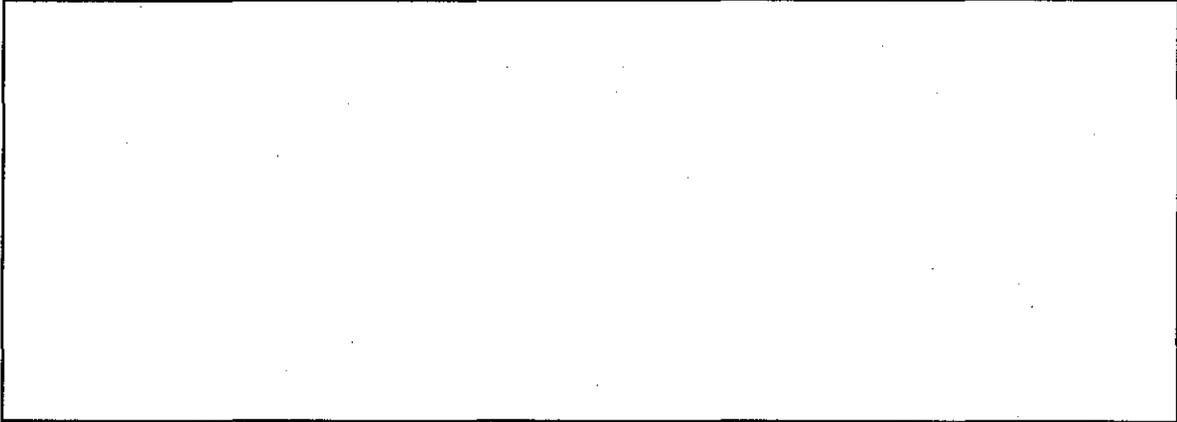
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- The FBI may not use  without an order.

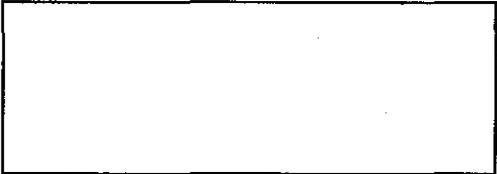




**Legal Authority to Deploy**



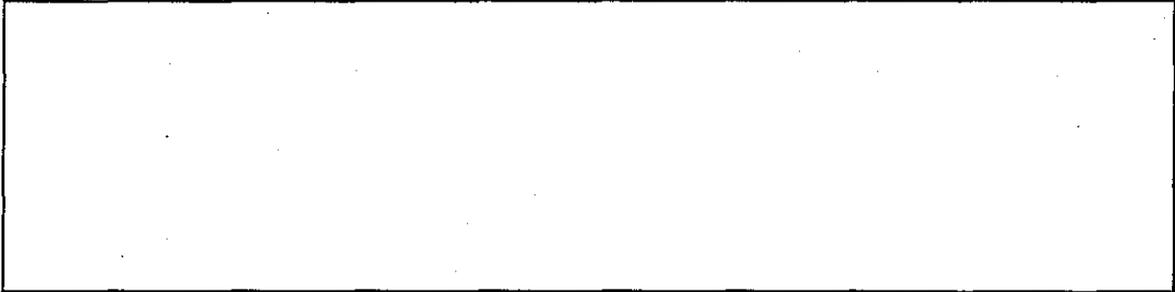
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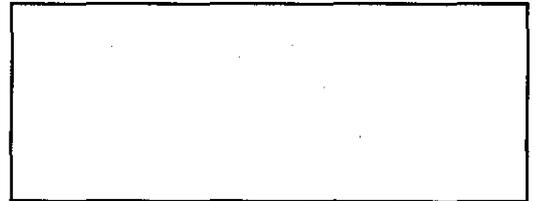


## Legal Authority to Deploy

- When is a Rule 41 Search Warrant necessary?  
(Probable cause standard)

- 
- 

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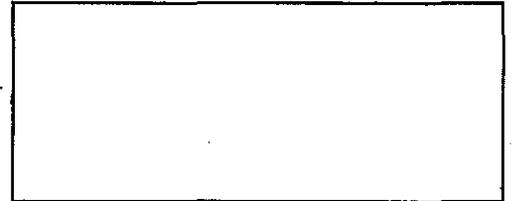
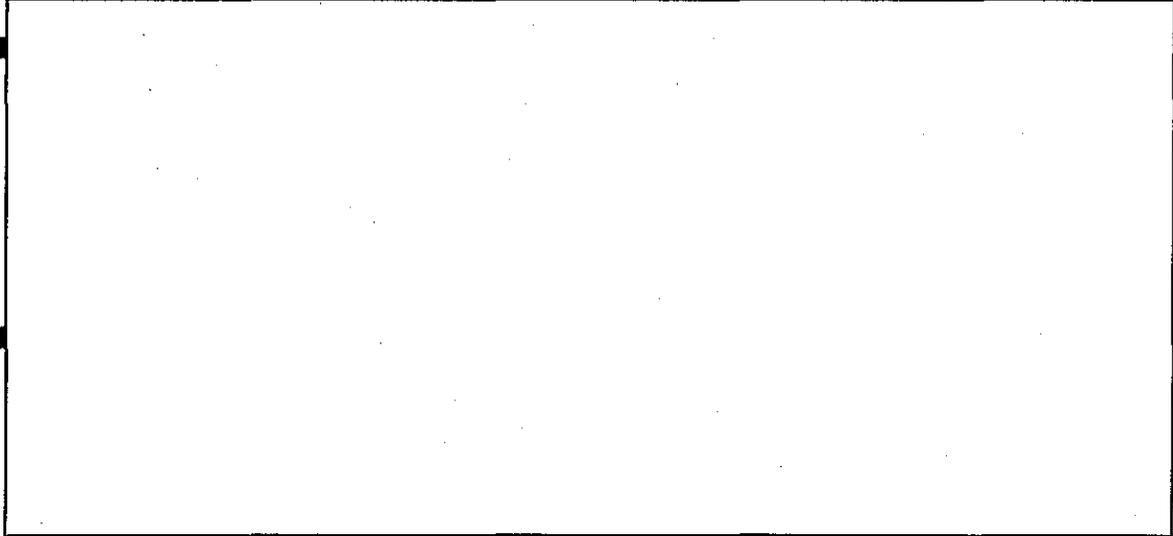


**FBI Technical Assistance to US Federal,  
State and Local law enforcement  
Agencies**

- It must be lawful. (4.a)
- Appropriate and consistent with the law. (4.b)
- Appropriate use of personnel and financial resources. (4.c)
- Not jeopardize any ongoing sensitive or classified investigation. (4.d)

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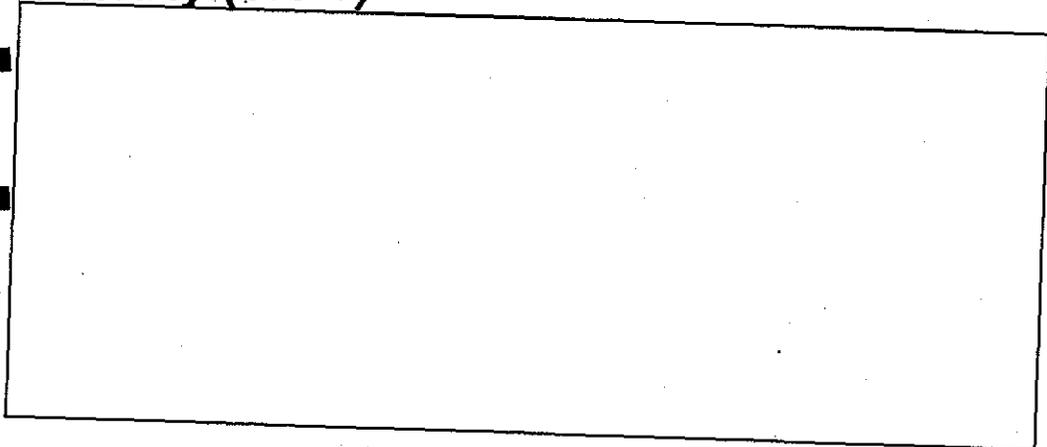
**Request by Executive Level Official in writing (letterhead, email, fax, etc). (5.a)**

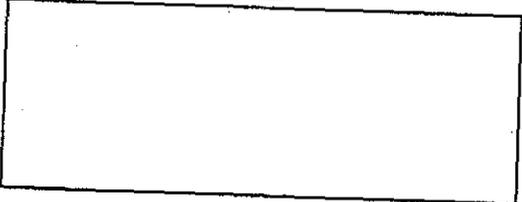


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**The Requesting Agency shall certify  
that: (5.c)**

- Technical Assistance will be used lawfully.(5.c.1)

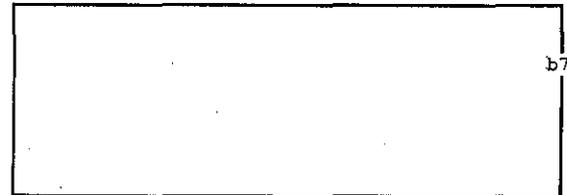
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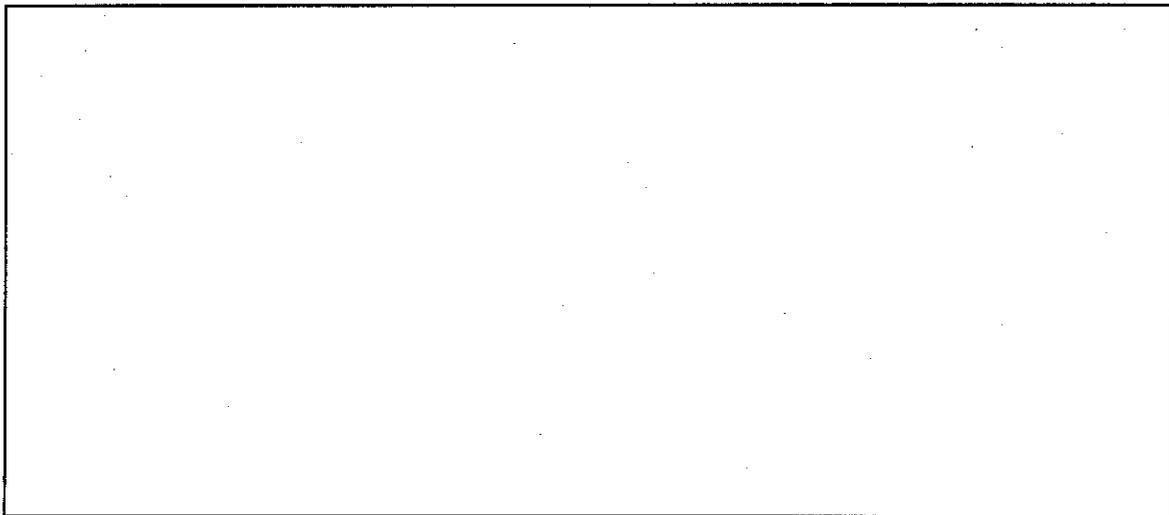
**Supporting the Request shall be the written certification of an appropriate attorney for the prosecutorial office.(5.d)**

- It is lawful and authorized under the relevant law of the applicable jurisdiction for the Requesting Agency:
  - To make use of the FBI Technical Assistance requested and(5.d.1)
  - For the FBI to provide the Technical Assistance requested, including the FBI personnel involved.(5.d.2)

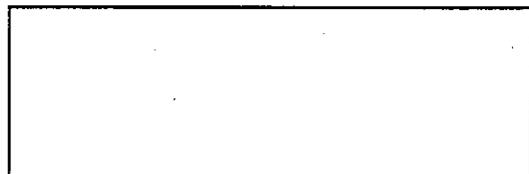


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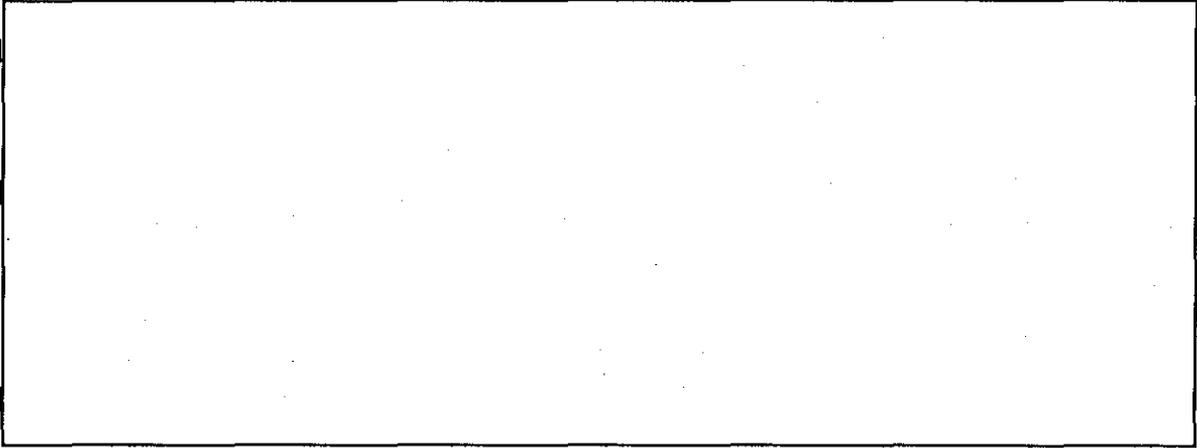
**In Emergency Situation**



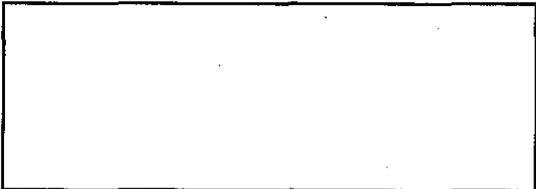
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**In Emergency Situation**



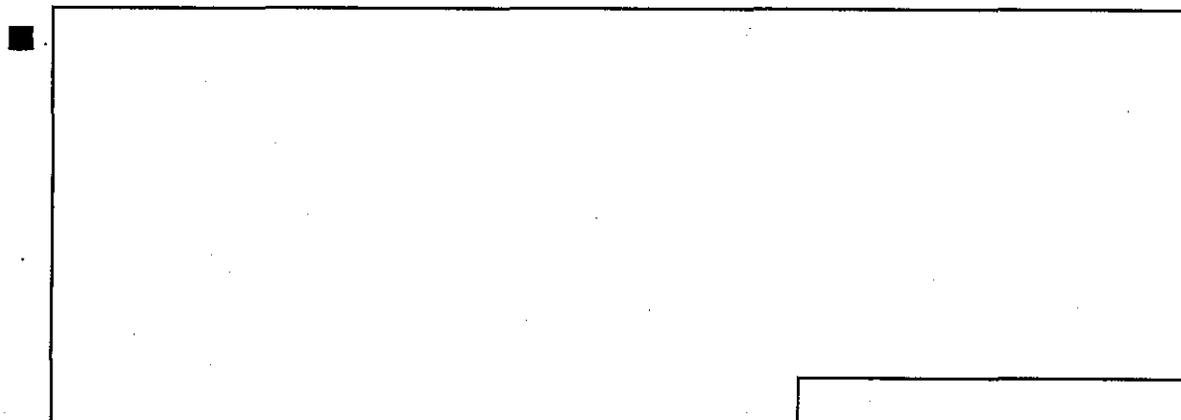
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**Procedures for field office approval**

**for technical assistance (6)**

- The CDC shall review the request, the certification(s) and supporting court order and other legal process.(6.1.a)

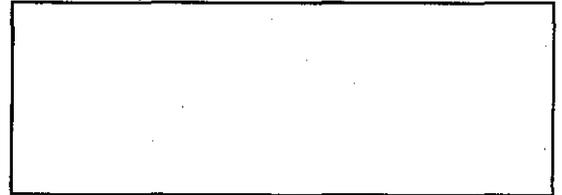


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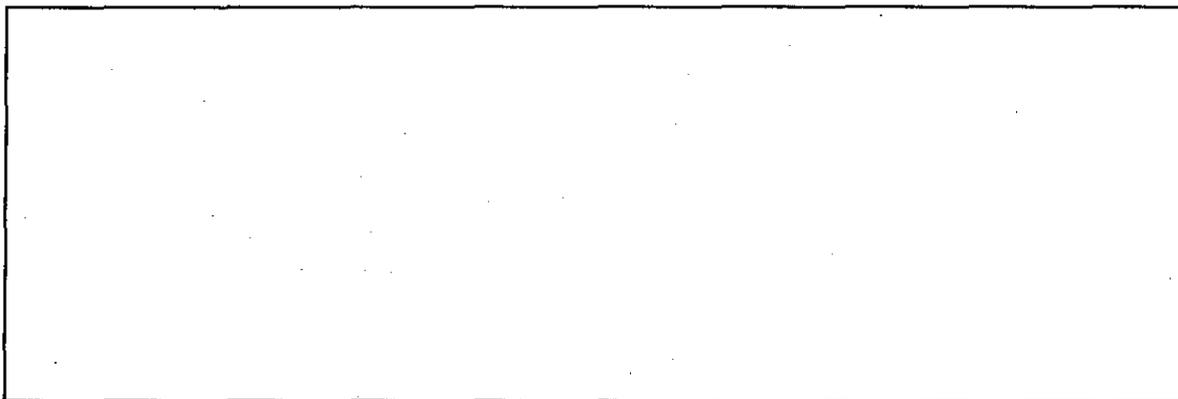
# Continued

- 
- Is Authorized under the AG Order No 2954-2008. (6.1.c.1)
- Can be implemented as specified within the order or other legal process. (6.1.c.2)
- Is lawful, reasonable and appropriate. (6.1.c.3)
- Complies with FBI policy. (6.1.c.4)

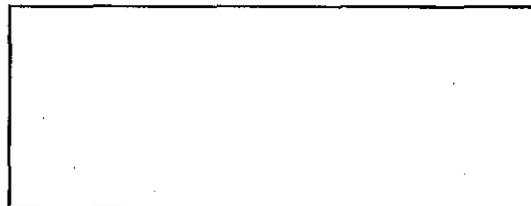
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**FBI Field Office**  
**Approving Official**



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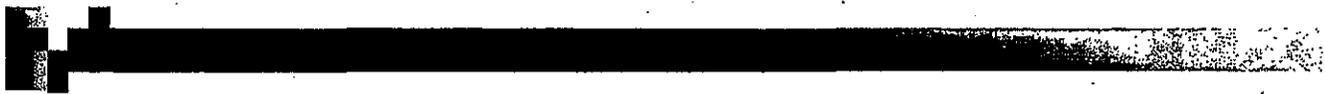


# Law Enforcement Sensitive

- Law Enforcement Sensitive (LES) collection devices, systems, techniques, and related information are not to be disclosed. Only the product of the technical operation is disclosed.
-  equipment is LES.

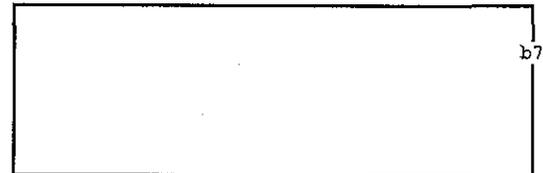
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# Law Enforcement Sensitive

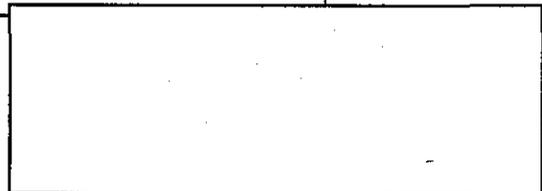
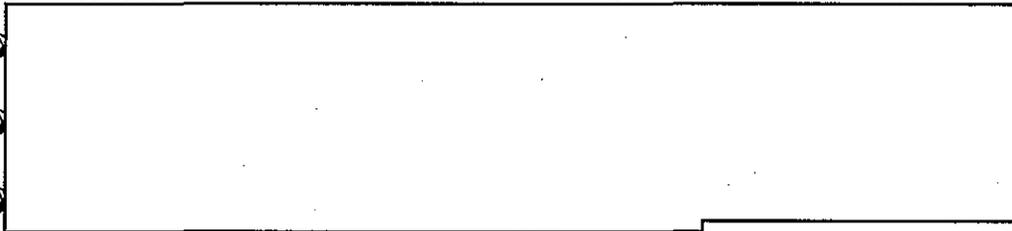
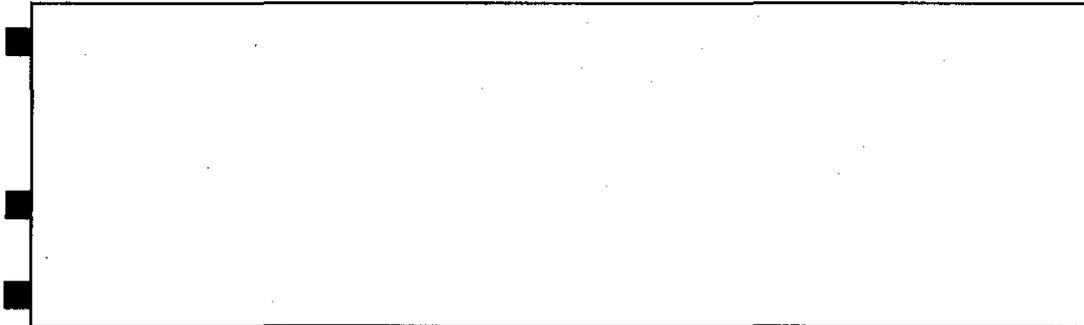
- FOUO (For Official Use Only) – a caveat applied to sensitive but unclassified information that may be exempt from release under FOIA
- LES (Law Enforcement Sensitive) is another of 9 potential exemptions under FOIA to protect law enforcement sources and methods, evidence, reports, tools and techniques, etc.
- FOUO/LES is unclassified information



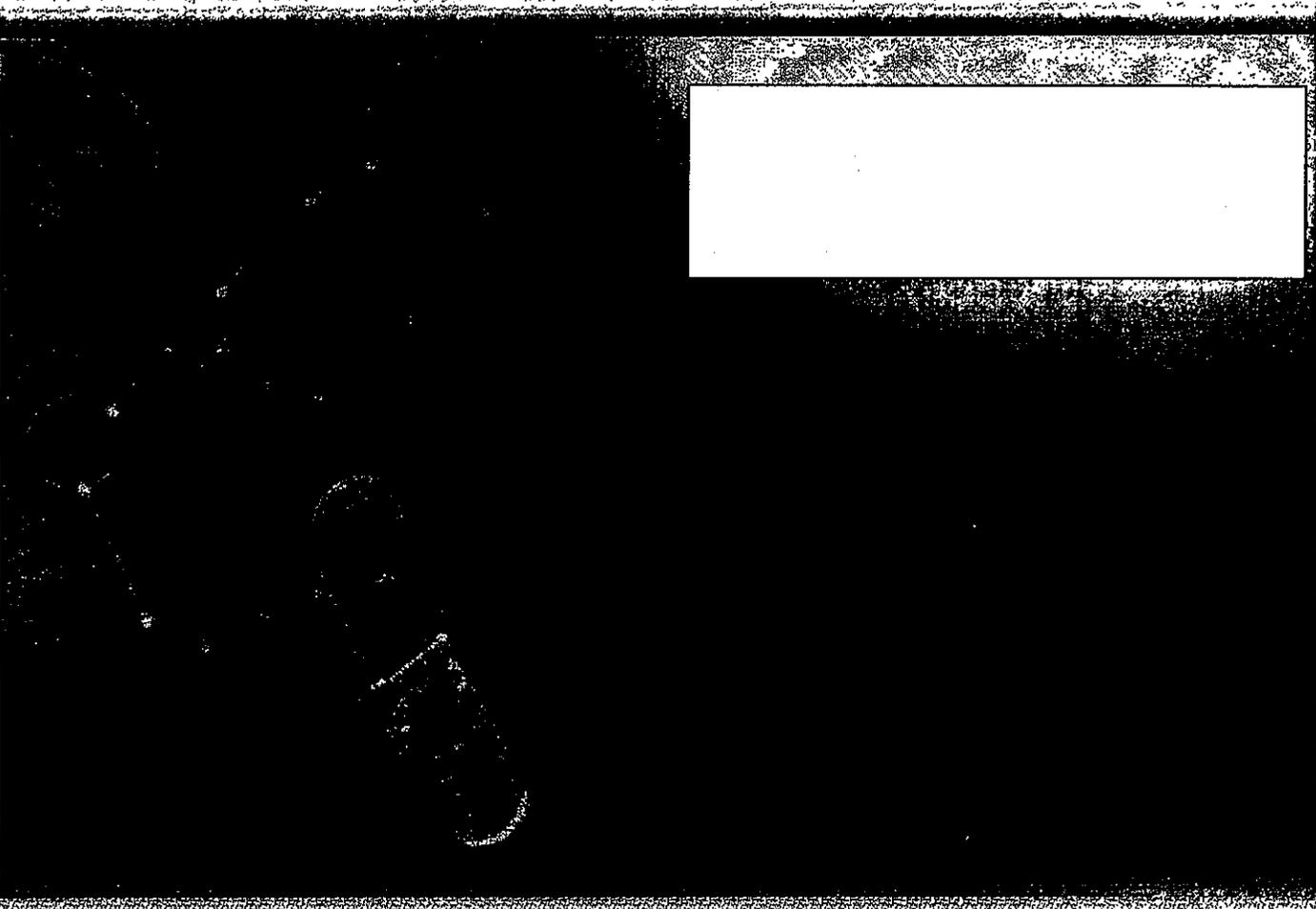
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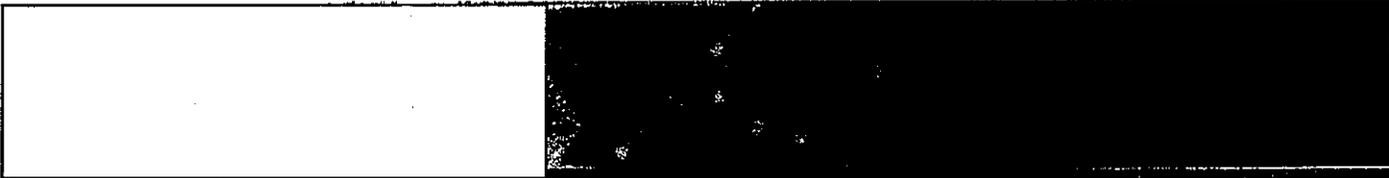
# Testimony Re



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- **DOJ's Policy on Celsite Simulators: Pen Register Device (18 U.S.C. § 3127(3))**
  - **BEST PRACTICES**
- **Emergency Pen Register Authority**
  - Federal v. State Orders
  - Voluntary Disclosures
- **Loan of ELSUR Policy**
  - **Using State Orders**
  - **Liability-scope of authority**
- 
- **Protecting Sensitive Techniques**
  - Use as evidence



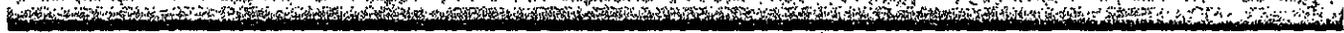


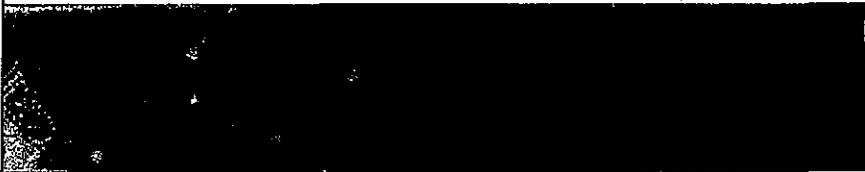
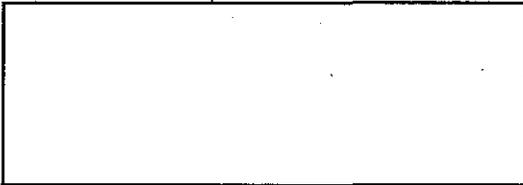
**Old Definition**

- "pen register" means a device which records or decodes electronic or other impulses which identify the numbers dialed or otherwise transmitted on the telephone line to which such device is attached....

**New Definition**

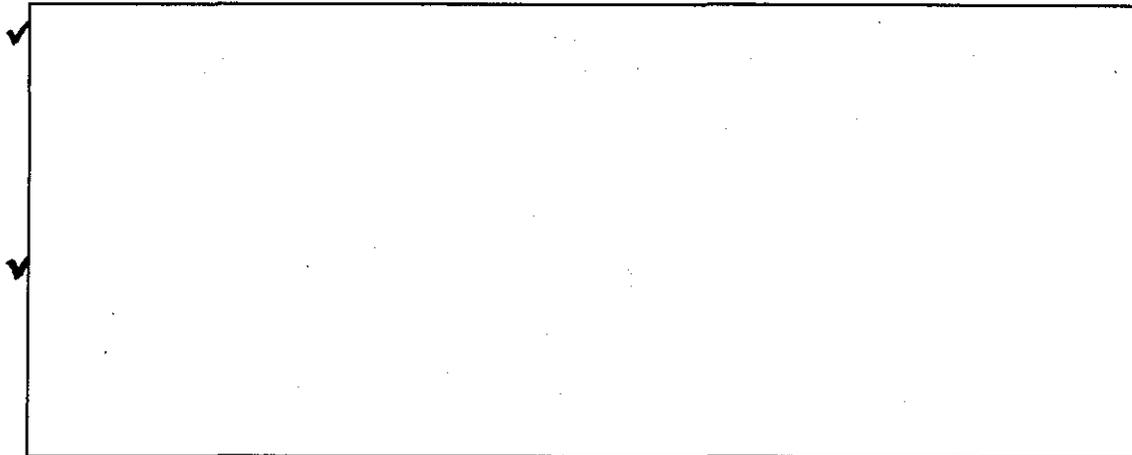
- "pen register" means a device *or process* which records or decodes *dialing, routing, addressing, or signaling information transmitted by an instrument or facility from which a wire or electronic communication is transmitted, provided, however, that such information shall not include the contents of any communication....*





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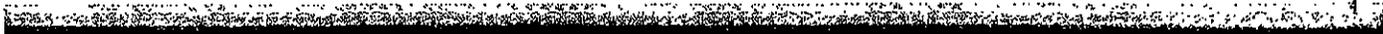
**DOJ/CCIPS & OEO:**



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✓ **“signaling information”**: any non-content information “transmitted by” a telephone instrument

<http://30.100.99.18/ogc/usabook/usabook/esis/13esis.htm>



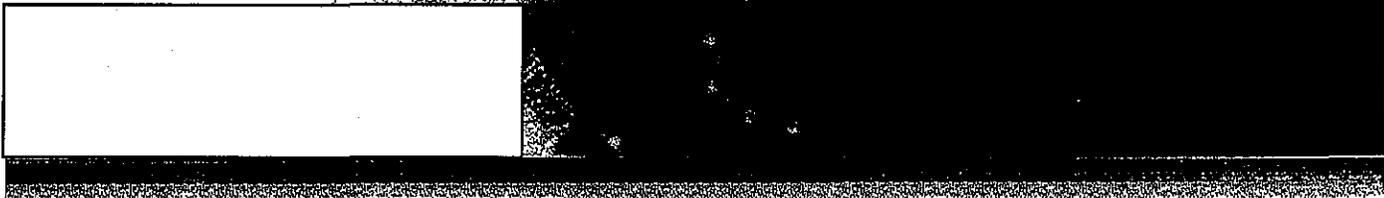
[REDACTED]

**DOJ: Pen/Trap order** [REDACTED]

[REDACTED]

to use a Pen Register Device to obtain  
"signaling information" transmitted from a  
cellular telephone to:

- 1) Identify a target phone or
  - 2) Locate a phone
- [REDACTED]



**BEST PRACTICES:**

**Use PR/TT order to authorize use of**



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1. authorize installation & use



2. Advise of potential



3. Not retain records beyond use to locate target phone



[Redacted]

[Redacted]

[Redacted]

- **47 U.S.C. § 333 prohibits interference with cellular frequencies**

- [Redacted]

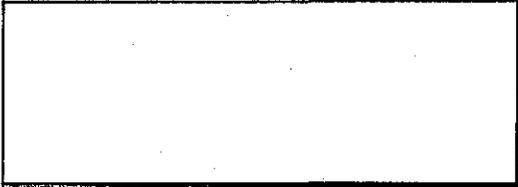
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- **18 USC 3124: requires that a pen register be implemented with "minimum of interference" to those accorded service-**

- [Redacted]

- [Redacted]

[Redacted]

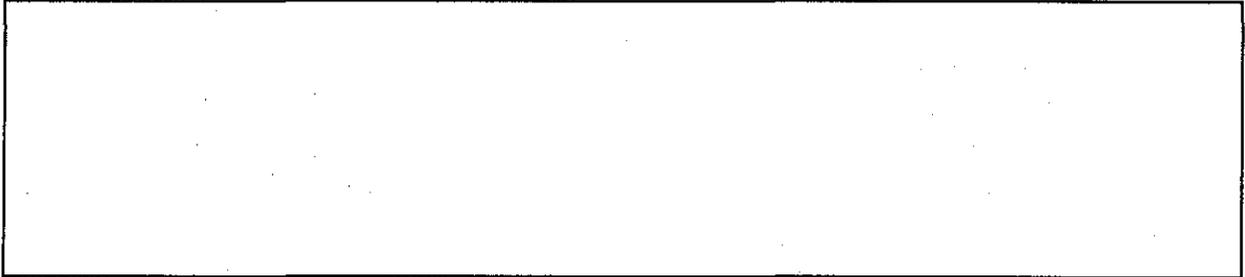


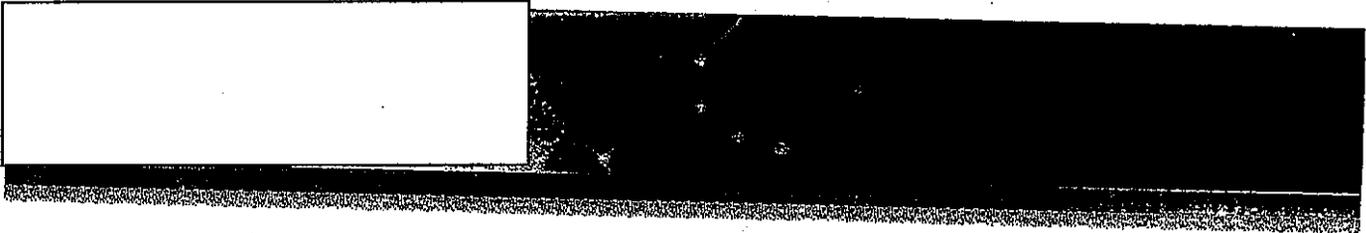
**Amendment rights & Minimize**



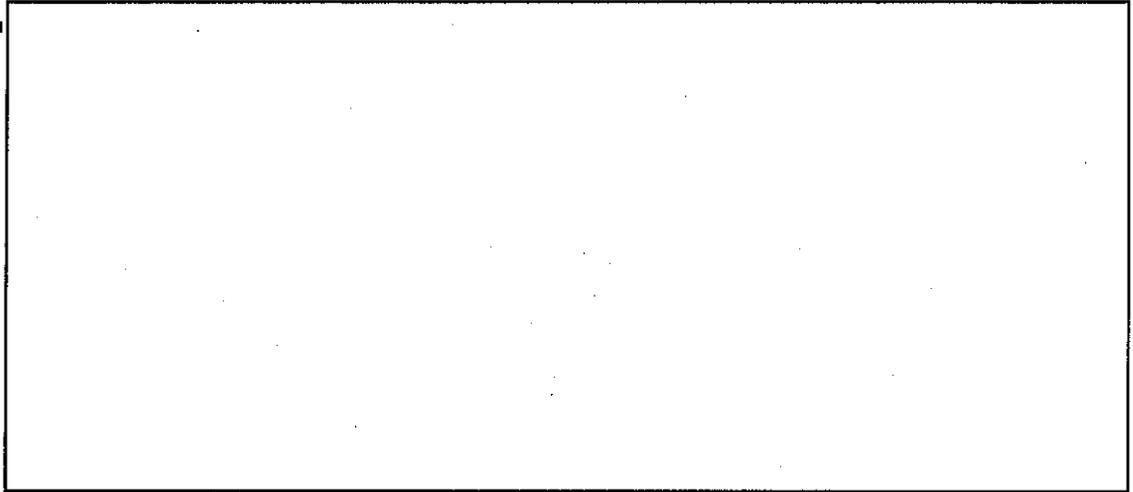
**preserve 1st  
data**

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■ Maintaining/Purging "Pen" data?



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[Redacted]

[Redacted]

[Redacted]

[Redacted]

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[Redacted]

Therefore, pursuant to 18 U.S.C. § 3123(d), I request that this application and order be sealed until otherwise ordered by this court; and

[Redacted]

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[Redacted]

[Redacted]

[Redacted]

[Redacted]

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- DOJ command Center [Redacted]
- OEO (business hours) [Redacted]
- Emergencies involving:
  - Immediate danger of death or serious injury or immediate threat to a national security interest

▪ [Redacted]

- MIOG, Part 2, 10-10.7.1

- [Redacted]

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[Redacted]



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**Consent (18 USC 3121(b)(3))**



**Voluntary Disclosure by Provider (18 USC**

**2702(c)(4)) : if provider “reasonably believes that an emergency involving immediate danger of death or serious physical injury to any person justifies the disclosure of: “a record or other information pertaining to a subscriber or customer of such service.”**

- 1 
- 2 

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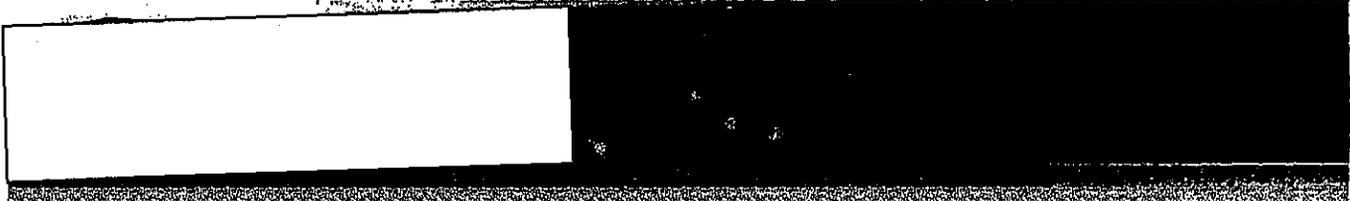


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■ **Lower/Sector data.**

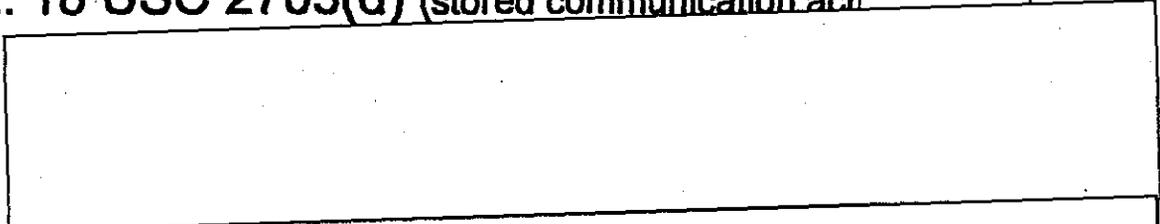
1. is generated by the network for network purposes regardless of a LE order.
  2. is necessary to Provision of Service & a call cannot be processed without it.
  3. exists in the network as a **RECORD or Other Information** prior to its being obtained by LE.
  4. **NON-Content data**; not substance of a communication.
  5. is delivered only at the beginning and end of calls per CALEA J-Std
- 



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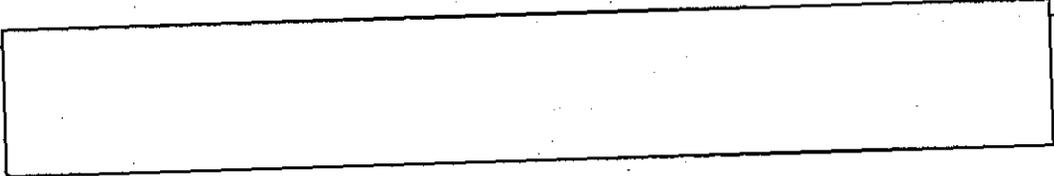
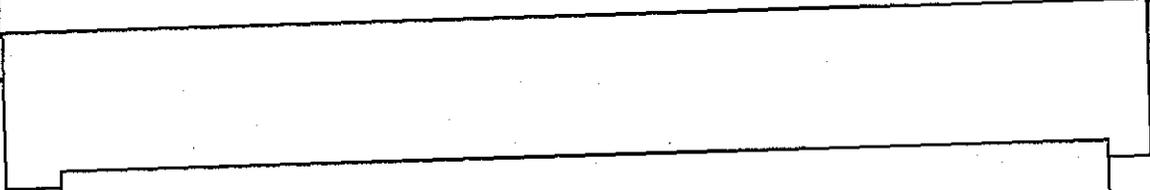
1. CALEA prohibits collecting location information  
"solely pursuant" to a PR/TT

2. 18 USC 2703(d) (stored communication act)



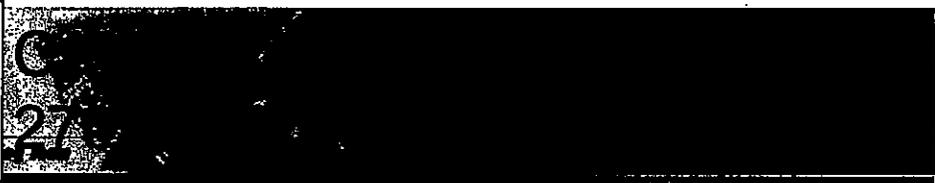
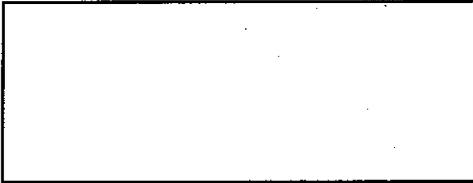
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3.

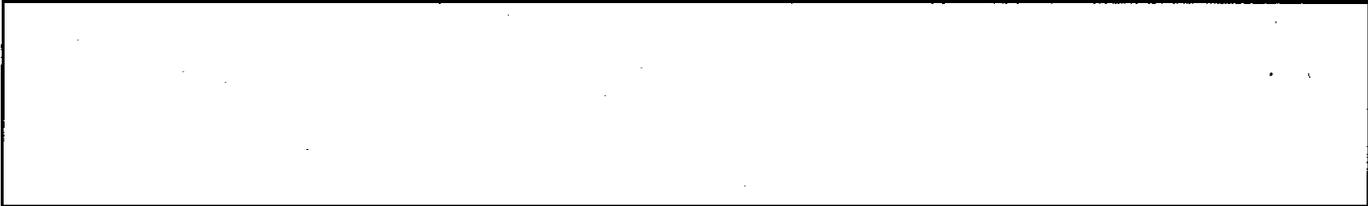


18

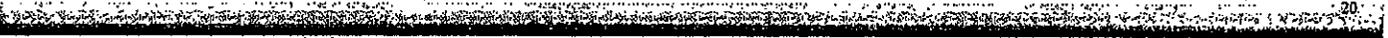
- **Near Real-Time**: CALEA (47 USC 1002) requires carriers to “expeditiously isolates”
  - “call-identifying information”: includes cell site information utilized in processing calls
  - for government access “before, during, or immediately after the transmission of a [ ] communication” (i.e., in real-time or near real-time)
- CALEA J-Standard: location information is delivered after generation of data by the carrier’s network and use in the provision of service (e.g., call origination, Answer, call release)



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■ **AND Use a PR/TT order for [Redacted] gear**

1. [Redacted]

2. Advise of [Redacted]

3. Not retain [Redacted] records

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■ [Redacted]

- [Redacted]

[Redacted]

[Redacted]

[Redacted]

[Redacted]

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[Redacted]

[Redacted] **Smith v.**

**Maryland, 442 U.S. 435, 744 (1979).**

- no legitimate expectation of privacy in information knowingly conveyed to a third party
- **In re Digital Analyzer found “[n]o logical distinction between telephone numbers called and a party’s own telephone number (or ESN number), all of which are regularly voluntarily exposed and known to others. 885 F. Supp. at 199 (citing Smith v. Maryland, 442 U.S. 735, 742-45 (1979)).**

[Redacted]

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- 2703(d) order— [Redacted]

[Redacted]

— [Redacted] will provision for up to [Redacted]  
max. charge

- [Redacted] Language:

[Redacted]

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[Redacted]



**WTT**

*Wireless Intercept and Tracking Team*

- **Qualified Government Privilege in Non-disclosure based on *Roviaro v. United States*, 353 U.S. 53 (1957):** disclosure of identity (and testimony) of informant.
  - Generally technique, type of device, location of install, etc. is protected
    - unless Defense can establish disclosure is necessary to defense, i.e., no other/adequate means to cross-examine/test evidence; if so:
    - then Balancing of interests

• [Redacted]

- **see also Jayme S. Walker "The qualified privilege to protect sensitive investigative techniques from disclosure," LEB Vol 69 NO.5 at 26 (May 2000).**

[Redacted]

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[REDACTED]

Compare, United States v. Van Horn, 789 F.2d 1492 (11th Cir.), cert. denied, 479 U.S. 854 (1986) (concealed microphone in office, defendant sought information about location of device claiming necessary to demonstrate that voices on tape could have been distorted by way mic was hidden and the distortion led to misidentification of the voice), recognized a qualified government privilege not to disclose sensitive investigative techniques.

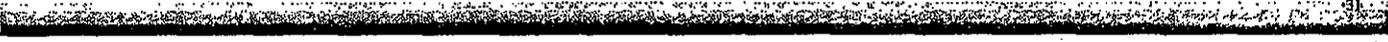
[REDACTED]

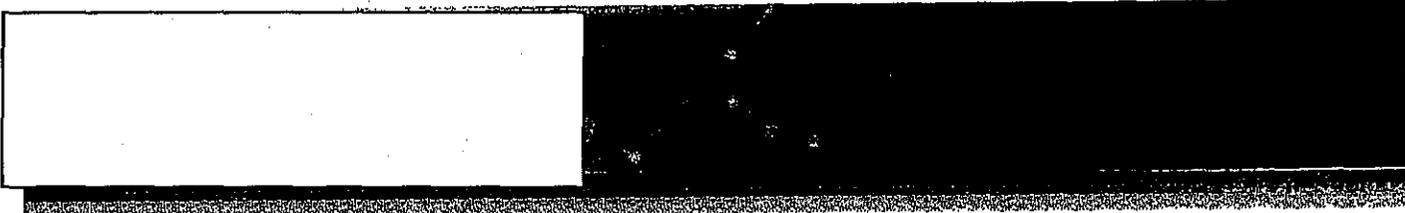
With United States v. Foster, 986 F.2d 541, 543 (D.C. Cir. 1993) (defendant sought location of observation post: officer's observation of drug transaction was key evidence implicating defendant; surveillance not taped or photographed, so no alternative evidence for jury to examine to determine whether surveillance post provided clear view from which officer could make accurate identification of defendant)



**U.S. v. Garey, 2004 WL 2663023 (M.D. Ga. Nov. 15, 2004)**

- Defendant sought nature & details of pen register used to determine the geographical location of a cellular phone
- Court found the information protected by qualified investigative techniques privilege & national security privilege
- Balanced government's interest in maintaining privilege with Defendant's need for the information
- **Defendant had the Product of the Surveillance: the cellphone used in making threatening calls was found in defendant's house during search of residence;**
  - Defendant did not need to know how the technology traced the geographic location of the phone.
  - locating the phone in the residence confirmed the accuracy of the geographic surveillance;
- Moreover, Defendant could challenge the technology used to establish that phone found in residence was the one that actually made the criminal calls.





**Contact Info:**



Assistant General Counsel,

Science & Technology Law Unit,

Office of the General Counsel

•DOJ (CCIPS): [www.cybercrime.gov](http://www.cybercrime.gov)

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FEDERAL BUREAU OF INVESTIGATION  
FOIPA  
DELETED PAGE INFORMATION SHEET

Serial Description ~ Unrecorded Serial

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Page 147 ~ b3, b4, b7E  
Page 148 ~ b3, b4, b7E  
Page 149 ~ b3, b4, b7E  
Page 150 ~ b3, b4, b7E  
Page 151 ~ b3, b4, b7E  
Page 152 ~ b3, b4, b7E  
Page 153 ~ b3, b4, b7E  
Page 154 ~ b3, b4, b7E  
Page 155 ~ b3, b4, b7E  
Page 156 ~ b3, b4, b7E  
Page 157 ~ b3, b4, b7E  
Page 158 ~ b3, b4, b7E  
Page 159 ~ b3, b4, b7E  
Page 160 ~ b3, b4, b7E  
Page 161 ~ b3, b4, b7E  
Page 162 ~ b3, b4, b7E  
Page 163 ~ b3, b4, b7E  
Page 164 ~ b3, b4, b7E  
Page 165 ~ b3, b4, b7E

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Page 166 ~ b3, b4, b7E  
Page 167 ~ b3, b4, b7E  
Page 168 ~ b3, b4, b7E  
Page 169 ~ b3, b4, b7E  
Page 170 ~ b3, b4, b7E  
Page 171 ~ b3, b4, b7E  
Page 172 ~ b3, b4, b7E  
Page 173 ~ b3, b4, b7E  
Page 174 ~ b3, b4, b7E  
Page 175 ~ b3, b4, b7E  
Page 176 ~ b3, b4, b7E  
Page 177 ~ b3, b4, b7E  
Page 178 ~ b3, b4, b6, b7C, b7E  
Page 185 ~ b3, b4, b7E  
Page 186 ~ b3, b4, b7E  
Page 187 ~ b3, b4, b7E  
Page 188 ~ b3, b4, b7E  
Page 189 ~ b3, b4, b7E  
Page 190 ~ b3, b4, b7E  
Page 191 ~ b3, b4, b7E  
Page 193 ~ b3, b6, b7C, b7E  
Page 194 ~ b3, b7E  
Page 198 ~ b3, b7E  
Page 200 ~ b3, b7E  
Page 201 ~ b3, b7E  
Page 202 ~ b3, b7E  
Page 203 ~ b3, b7E  
Page 204 ~ b3, b7E  
Page 205 ~ b3, b7E  
Page 206 ~ b3, b7E  
Page 207 ~ b3, b7E  
Page 208 ~ b3, b7E  
Page 209 ~ b3, b7E  
Page 210 ~ b3, b7E  
Page 211 ~ b3, b7E  
Page 212 ~ b3, b7E  
Page 213 ~ b3, b7E  
Page 214 ~ b3, b7E  
Page 215 ~ b3, b7E  
Page 216 ~ b3, b7E  
Page 326 ~ b6, b7C  
Page 361 ~ b6, b7C  
Page 362 ~ b6, b7C  
Page 363 ~ b6, b7C

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X Deleted Page(s) X  
X No Duplication Fee X  
X for this Page X  
XXXXXXXXXXXXXXXXXXXXXXXXXXXXX

Page 367 ~ b6, b7C  
Page 368 ~ b6, b7C  
Page 369 ~ b6, b7C  
Page 370 ~ b1, b3, b6, b7C, b7E

Page 367  
Page 368  
Page 369  
Page 370

XXXXXXXXXXXXXXXXXXXXXXXXXXXX  
X Deleted Page(s) X  
X No Duplication Fee X  
X for this Page X  
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~~SECRET~~

DATE: 10-11-2012  
CLASSIFIED BY 65179/dmh/stp/as  
REASON: 1.4 (c,g)  
DECLASSIFY ON: 10-11-2037

From: [redacted]  
To: [redacted]  
Date: Thu, May 8, 2003 3:12 PM  
Subject: FYI - Info you requested -

ALL INFORMATION CONTAINED  
HEREIN IS UNCLASSIFIED EXCEPT  
WHERE SHOWN OTHERWISE b6  
b7C

(\* \* \* ~~SECRET~~ \* \* \*)

\* \* \* ~~SECRET~~ \* \* \*

[redacted]

Two units are available: [redacted] and [redacted]

b3  
b7E

[Large redacted area]

(S)

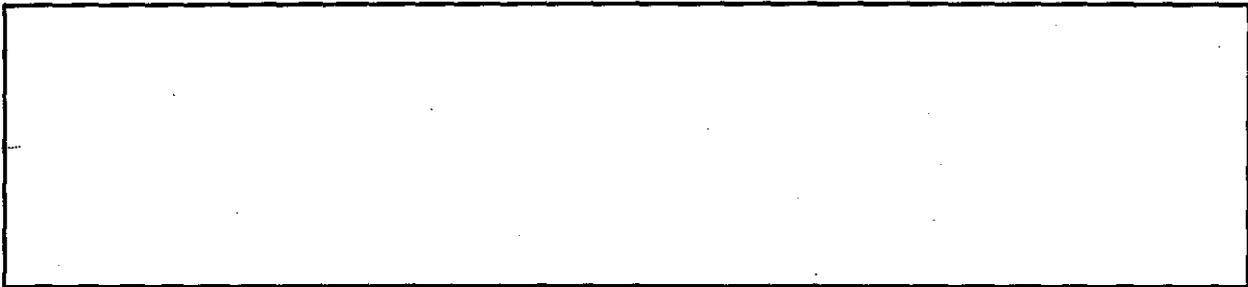
b1  
b3

~~SECRET~~  
DELL/OTD

001528

~~SECRET~~

(S)



b1  
b3

If you have additional questions or need more info feel free to holla'!

Thanks



\* \* \* ~~SECRET~~ \* \* \*

cc:



b6  
b7c

~~SECRET~~

CELL/OTD

001529

**FOR OFFICIAL USE ONLY**



**FBI**

***Portable Electronic Device  
Security Management Plan  
(SMP) for Legacy*** [Redacted]

*From  
Investigative Technology Division*

[Redacted]

09/7/2004

*Federal Bureau of Investigation  
935 Pennsylvania Avenue, NW  
Room 9364  
Washington, DC 20530*

001547

b6  
b7C  
b7E

*Prepared By:*

[Redacted] *Program Manager*  
[Redacted] *Chief Technician*

*Engineering Research Facility, Building* [Redacted]  
*Quantico, Virginia 22135*

[Redacted]

CELL/OTD

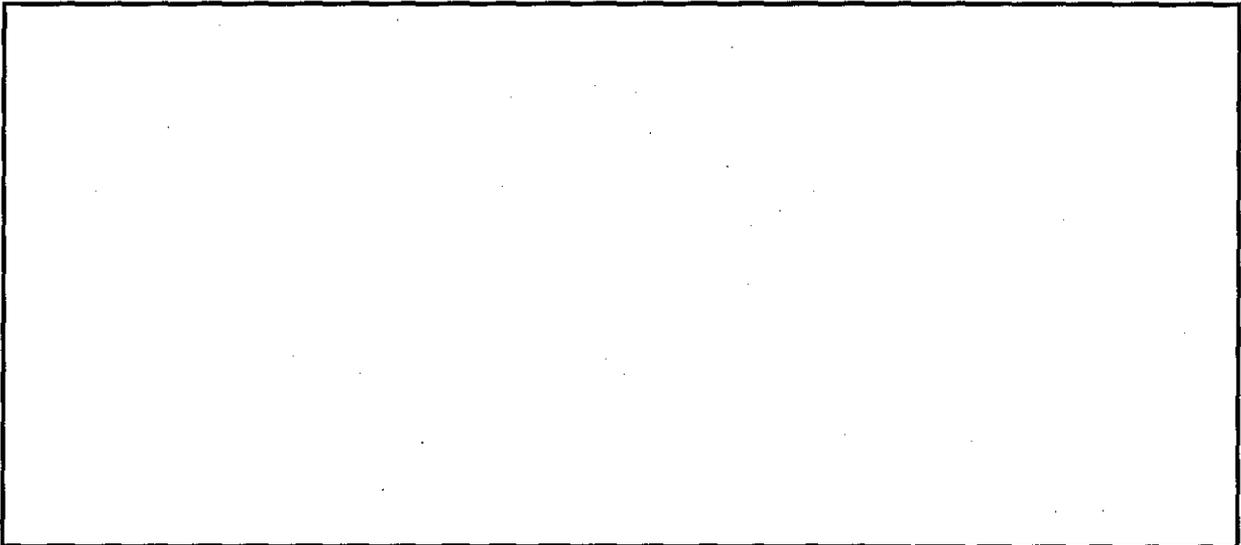
**FOR OFFICIAL USE ONLY**

# FOR OFFICIAL USE ONLY

## 1 INTRODUCTION

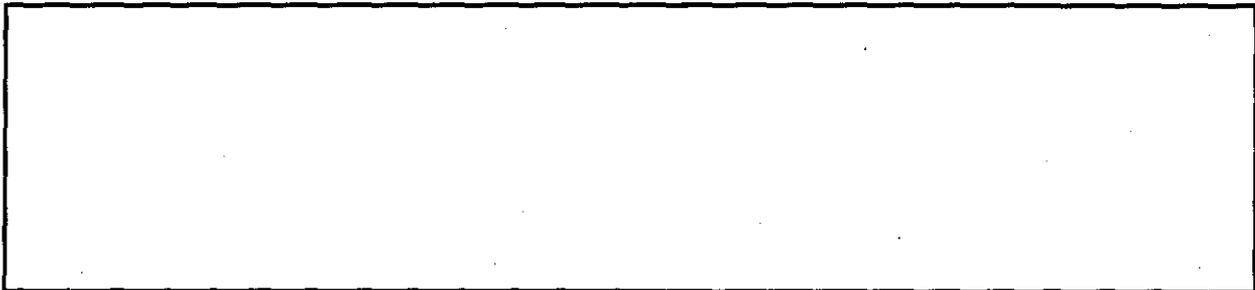
This document serves as the instrument for the Mobile Computing Security Program to identify requirements and assess risk, with the objective of providing an approval-to-operate. The information required for this assessment includes, but is not limited to, a complete scope of need, justification, concept of operations, technical specifications, configuration management and residual risk relative to the device being placed into service. Once completed, and if residual risk is deemed acceptable, an official EC will be generated granting a Security Management Plan (SMP) for those device(s) described within, in the manner set forth in the concept of operations. Attachments 1 and 2 are "living" documents. That is they are updated each time there is a change in the configuration, or when new devices are fielded under this SMP. Attachment 1 is the Configuration Management control document that lists the specific applications in use under this SMP. Attachment 2 is a complete listing of all devices fielded under this SMP.

## 2 MISSION BACKGROUND



b3  
b7E

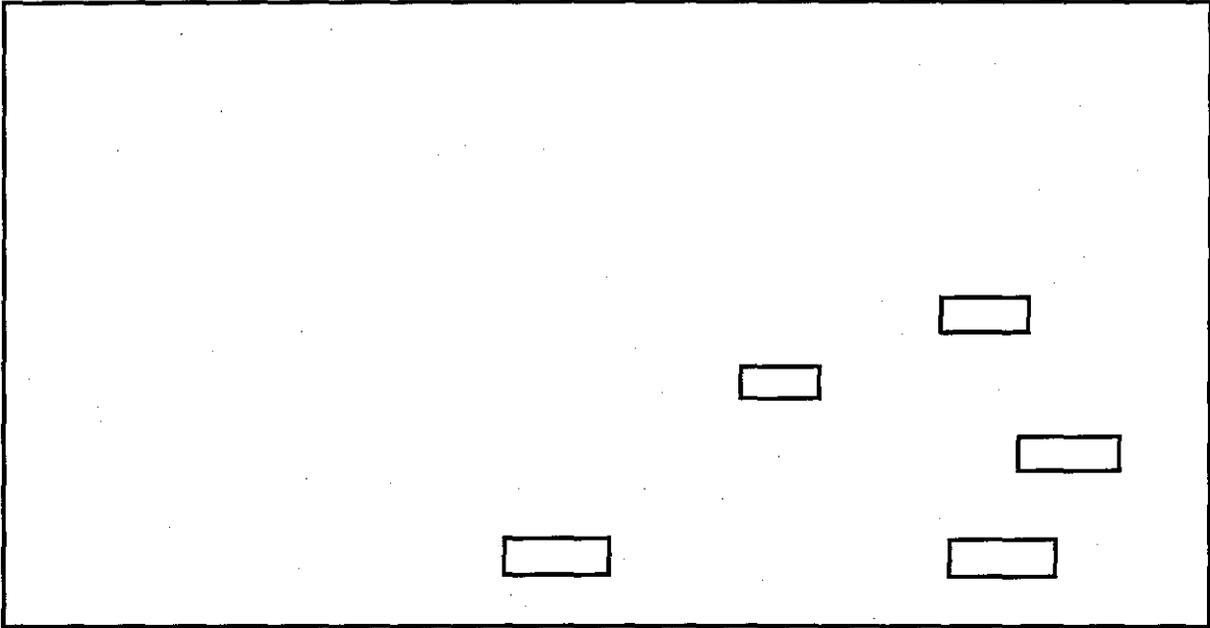
## 3 JUSTIFICATION FOR REQUEST



CELL/OTD

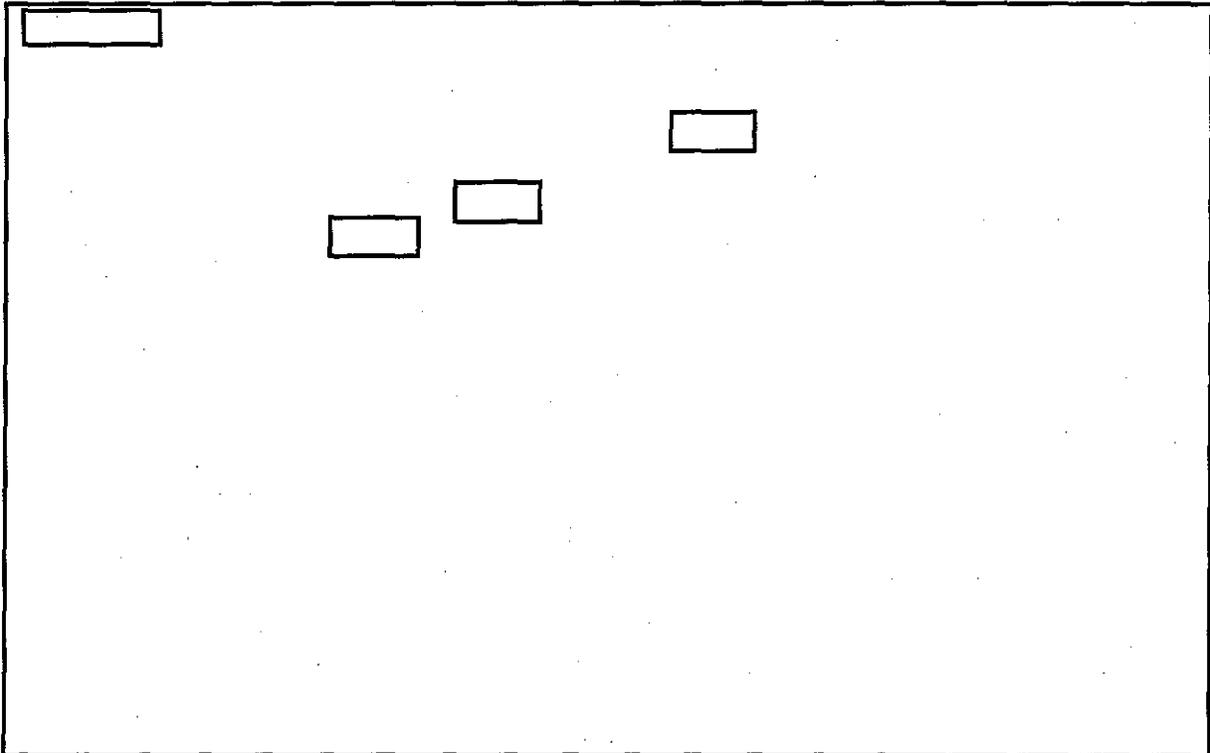
001542

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b3  
b7E

**4 CONCEPT OF OPERATIONS**



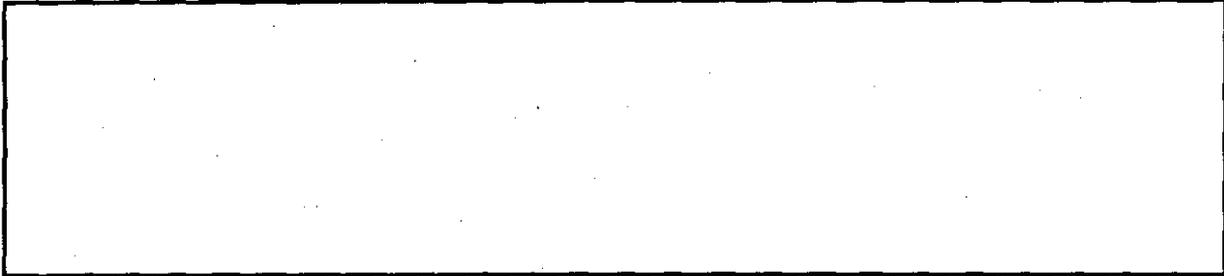
b3  
b7E

CELL/OTD

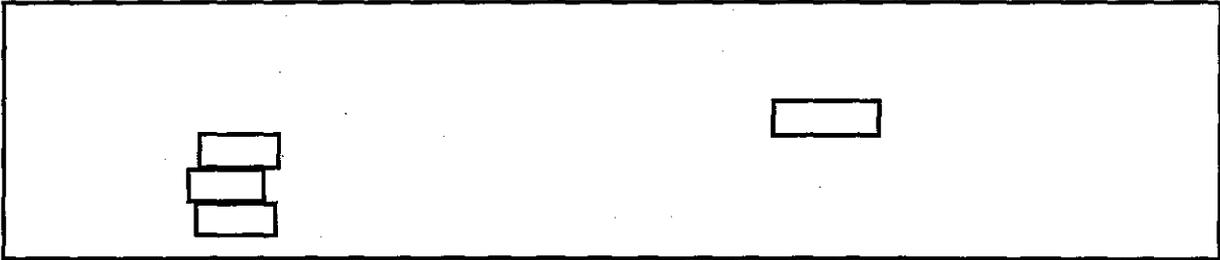
001543

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**5 TECHNICAL DATA**

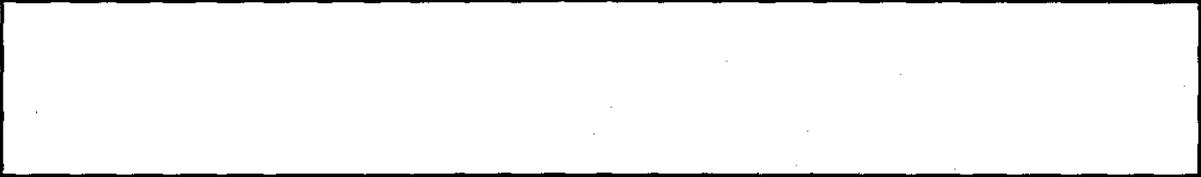


5.1 

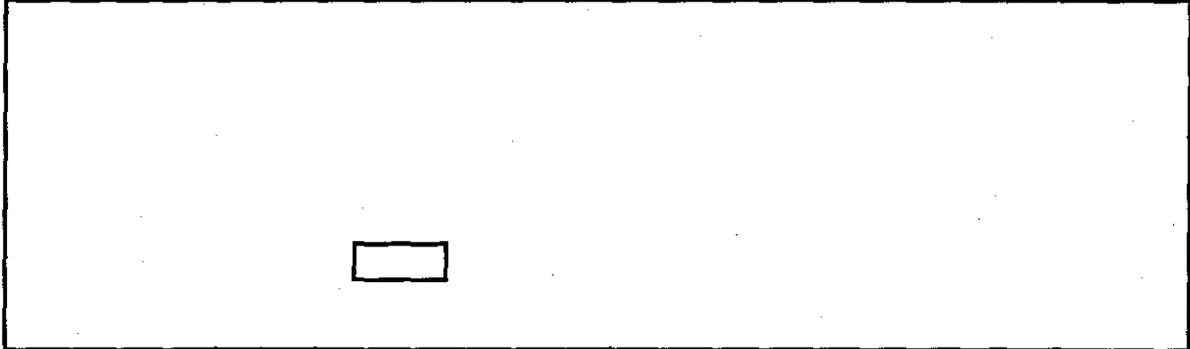


5.2 Field Control/Storage

b3  
b7E



5.3 

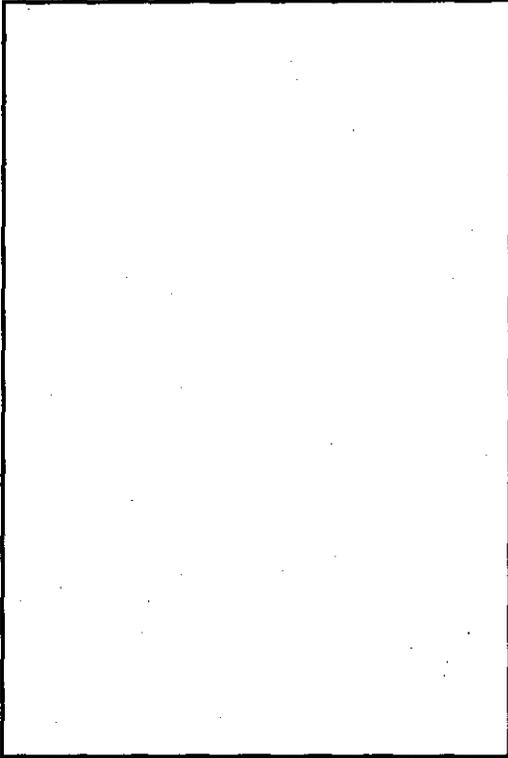


CELL/OTD

001544

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**5.4 Technical Specifications**



b3  
b7E

CELL/OTD

001545

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### 8 POINTS OF CONTACT

The ISSM has approval authority for the [redacted] and is responsible for the life cycle system security. Significant changes in configuration or usage will be submitted to the ISSM by the ISSO for approval.

Information Systems Security Manager: [redacted]

The ISSO is responsible for day-to-day oversight of the [redacted]. He is responsible for engineering, development, configuration management and ensuring that the program security requirements are met. The ISSO also maintains an up-to-date inventory of all [redacted] contained within this OP plan and to report any:

- o Loss
- o Changes in configuration or usage
- o Incremental/decremental changes to the baseline to the PSO and ISSM.

[redacted] Information Systems Security Officer(s): [redacted]  
[redacted]

Note: In the event that an ISSM is not assigned, ISSM duties are the responsibility of the assigned security officer.

b6  
b7C  
b7E

### 9 CONFIGURATION MANAGEMENT

Configuration management is a process that controls and manages changes (i.e., new applications, peripherals, changes in configuration, etc.) to a device or system. By controlling changes made to a system's hardware, software, firmware, and/or documentation, throughout the system/device life cycle, configuration management is a mandatory, integral part of this overall risk management solution. The ISSM and ISSO are responsible for managing this process.

#### 9.1 Incremental Changes

Incremental changes to the baseline may be vetted and approved by the ISSM. Minor changes such as the revision number of an application do not require ISSM approval but are to be tracked by the ISSO in the configuration information periodically provided to the ISSM in the configuration management document illustrated in Attachment 1.

#### 9.2 Security Architecture and Usage Changes

Any changes affecting the security architecture including the manner in which the [redacted] [redacted] are used or the type of data stored on them may require a renegotiated Security Management Plan (SMP).

CELL/OTD

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15

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**10 RULES OF BEHAVIOR**

The PEDs known as [redacted] covered under this SMP are granted deviations from the standard security settings based on operational need. These deviations have corresponding expected rules of behavior with respect to how they are used, stored, and maintained. These include:

**10.1 [redacted] Protection**

[redacted]

**10.2 Data Protection**

[redacted]

**10.3 [redacted]**

[redacted]

b3  
b7E

[redacted]

**10.4 [redacted]**

[redacted]

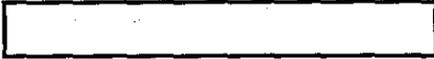
[redacted]

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10.5



b3  
b7E

CELL/OTD

001557





~~\*\*\* SECRET \*\*\*~~

[REDACTED] TASK ORDER CONTRACT  
TASK #1

b3  
b4  
b7E

(S) [REDACTED]

- \* (S) [REDACTED]
- (S) [REDACTED]
- \* (S) [REDACTED]
- (S) [REDACTED]
- \* (S) [REDACTED]
- (S) [REDACTED]
- \* (S) [REDACTED]
- (S) [REDACTED]
- \* (S) [REDACTED]
- \* (S) [REDACTED]
- (S) [REDACTED]
- \* (S) [REDACTED]

b1  
b3

The deliverables for Task #1 shall include:

- \* (S) [REDACTED]
- \* (S) [REDACTED]
- (S) [REDACTED]
- \* (S) [REDACTED]

~~\*\*\* SECRET \*\*\*~~

~~\*\*\* SECRET \*\*\*~~

ALL INFORMATION CONTAINED  
HEREIN IS UNCLASSIFIED EXCEPT  
WHERE SHOWN OTHERWISE

STATEMENT OF WORK

1 INTRODUCTION

(S)

[Redacted]

(S)

2 OBJECTIVE

(S)

[Redacted]

(S)

(S)

[Redacted]

(S)

(S)

[Redacted]

(S)

3 TASK DESCRIPTION

(U) After the award of the contract, the FBI will provide task assignments in writing to the contractor. The contractor will submit, in writing, a best estimate for the technical approach, cost, and amount of time needed to perform the task as well as a description of the task milestones and deliverables. Written approval from the FBI Contracting Officer will be required before the contractor will be authorized to proceed with the task order. The price quote for each task order shall include all items to be procured by the contractor for use in the task assignment.

4 SCOPE

~~\*\*\* SECRET \*\*\*~~

CELL/OTD 001602

b1  
b3

\*\*\*~~SECRET~~\*\*\*

- (S) [REDACTED]

b1  
b3

**5 REQUIREMENTS**

(U) Once a contract is established, the following events will occur on a task assignment basis:

- Task Assignment: (U) The FBI will provide a task assignment in writing to the contractor. The contractor will submit, in writing, a best estimate for the technical approach, cost, and amount of time needed to perform the task as well as a description of the task milestones and deliverables. Written approval from the FBI Contracting Officer will be required before the contractor will be authorized to proceed with the task order. The price quote for each task order shall include all items to be procured by the contractor for use in the task assignment.
- Technical Review Meetings: (U) The contractor shall conduct technical review meeting(s) to give the FBI a technical description of the proposed effort. Meeting(s) will also be conducted to provide the FBI with an on going status of the task effort. Meeting schedules and locations will be determined at a later date.
- Acceptance Testing: (U) Once a demonstration device is constructed for a task, the contractor shall conduct an Acceptance Test to demonstrate compliance with technical requirements. An FBI representative shall participate and witness the Acceptance Test. Within thirty days of the completion of the Acceptance Test, the FBI shall provide written description of the device's technical deficiencies to the contractor.

\*\*\*~~SECRET~~\*\*\*

CELL/OTD 001603

~~\*\*\* SECRET \*\*\*~~

- Product Delivery: (U) Once the contractor has demonstrated that the developed product (device, system, or study) complies with the FBI requirements, the contractor shall deliver the product to the FBI in the quantity specified in the task assignment.

#### 6 Security

(U) The work described in this Statement of Work is considered sensitive. Release of any information related to this work may compromise the FBI's mission and is prohibited without prior written consent from the FBI.

CELL/OTD 001604  
~~\*\*\* SECRET \*\*\*~~

~~SECRET~~

DATE: 10-12-2012  
CLASSIFIED BY 65179/dmh/stp/as  
REASON: 1.4 (c,g)  
DECLASSIFY ON: 10-12-2037

From: [REDACTED]  
To: [REDACTED]  
Date: Mon, Feb 2, 2004 8:24 AM  
Subject: [REDACTED]

ALL INFORMATION CONTAINED  
HEREIN IS UNCLASSIFIED EXCEPT  
WHERE SHOWN OTHERWISE

b6  
b7C  
b3  
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[REDACTED]

(S)

plus i heard last week that one of their main [REDACTED] guys has left the company to pursue a career in dentistry - whats up wit that? go figure...

b1  
b3  
b7E

[REDACTED]

(S)

dont worry - as soon as the release hits we'll test/confirm it and ship/email it out right away!

~~SECRET~~

CELL/OTD 001615

DATE: 10-12-2012  
CLASSIFIED BY 65179/dmh/stp/as  
REASON: 1.4 (c,g)  
DECLASSIFY ON: 10-12-2037

ALL INFORMATION CONTAINED  
HEREIN IS UNCLASSIFIED EXCEPT  
WHERE SHOWN OTHERWISE

~~\*\*\* SECRET \*\*\*~~

(U) Security Addendum to EC dated 03/13/03, captioned, [redacted] and requisition #128815 dated 03/12/03.

b3  
b7E

(S)

(S)

[redacted]

(S)

(S)

[redacted]

b1  
b3

(S)

(S)

[redacted]

(U) Full and open competition of referenced procurement requirement could [redacted]

b3  
b7E

[redacted] it is recommended that no advertisement be made.

April 24, 2003

[redacted]  
Security Officer  
Investigative Technology Division

b6  
b7C

~~Derived From: G-3  
Declassify On: X1~~

~~\*\*\* SECRET \*\*\*~~

CELL/OTD 001624

~~\*\*\* SECRET \*\*\*~~

~~\*\*\* SECRET \*\*\*~~

[Redacted]

From: [Redacted]  
Sent: Monday, July 23, 2007 4:50 PM  
To: [Redacted]  
Subject: [Redacted]

SENSITIVE BUT UNCLASSIFIED  
NON-RECORD

-----Original Message-----  
From: [Redacted]  
Sent: Monday, July 23, 2007 4:41 PM  
To: [Redacted]  
Subject: [Redacted]

SENSITIVE BUT UNCLASSIFIED  
NON-RECORD

[Redacted]

I omit to inform you that we are shipping to your office a few items that were distributed in the [Redacted] conference. One of which is a thumbdrive that contained the powerpoint presentation materials which should be helpful to those who couldn't attend the conference but want to know what was covered. I recalled over the course of time that you had reached out to us and asked why you were not successful in [Redacted]

b3  
b6  
b7C  
b7E

[Redacted] [Material information including where to procure the part is shown in the enclosed attachment.]



[Redacted].ppt

[Large Redacted Area]

SENSITIVE BUT UNCLASSIFIED

SENSITIVE BUT UNCLASSIFIED

[Redacted]

From: [Redacted]  
Sent: Tuesday, July 24, 2007 2:50 PM  
To: [Redacted]  
Subject: [Redacted]

**SENSITIVE BUT UNCLASSIFIED**  
**NON-RECORD**

[Redacted]

We would like to see if you could work with your field office [Redacted]  
[Redacted]

[Redacted]

-----Original Message-----  
From: [Redacted]  
Sent: Tuesday, July 24, 2007 7:04 AM  
To: [Redacted]  
Subject: [Redacted]

**SENSITIVE BUT UNCLASSIFIED**  
**NON-RECORD**

b3  
b6  
b7C  
b7E

FYI, [Redacted] has a VERY limited tech budget. Do I need to try to fight my office for extra money next year, or is there a possibility of [Redacted] covering the purchase sometime in the future?

[Redacted]  
[Redacted]

-----Original Message-----  
From: [Redacted]  
Sent: Monday, July 23, 2007 4:50 PM  
To: [Redacted]  
Subject: [Redacted]

**SENSITIVE BUT UNCLASSIFIED**  
**NON-RECORD**

-----Original Message-----  
From: [Redacted]  
Sent: Monday, July 23, 2007 4:41 PM  
To: [Redacted]  
Subject: [Redacted]

**SENSITIVE BUT UNCLASSIFIED**  
**NON-RECORD**

CELL/OTD 001754

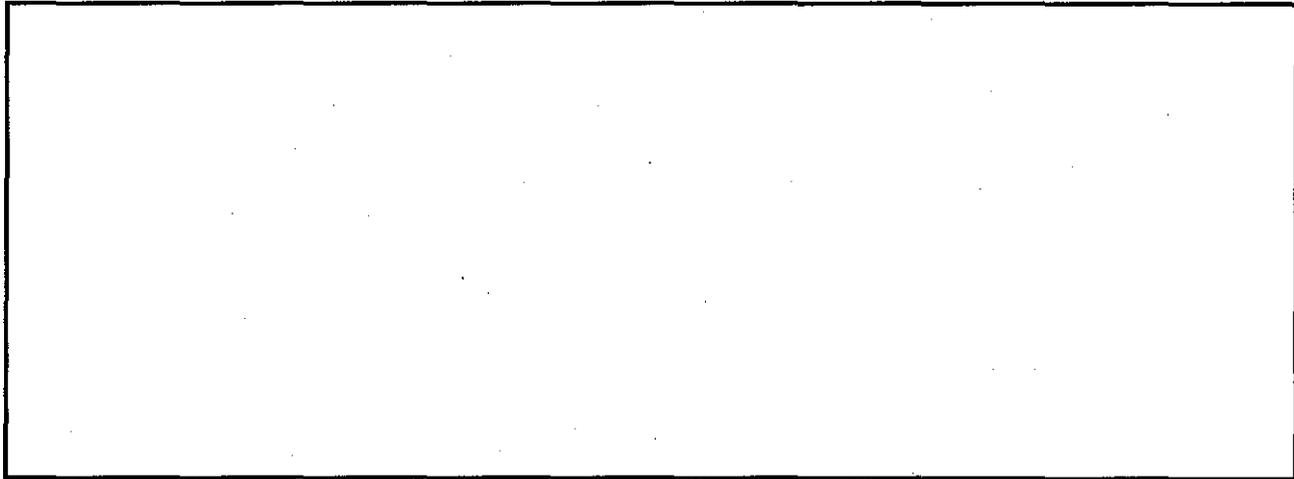
[Redacted]

I omit to inform you that we are shipping to your office a few items that were distributed in the [Redacted] conference. One of which is a thumbdrive that contained the powerpoint presentation materials which should be helpful to those who couldn't attend the conference but want to know what was covered. I recalled over the course of time that you had reached out to us and asked why you were not successful [Redacted]

[Redacted]

[Redacted] [Material information including where to procure the part is shown in the enclosed attachment.]

<< File [Redacted] ppt >>



b3  
b6  
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b7E

SENSITIVE BUT UNCLASSIFIED

SENSITIVE BUT UNCLASSIFIED

SENSITIVE BUT UNCLASSIFIED

SENSITIVE BUT UNCLASSIFIED

CELL/OTD 001755

[Redacted]  
From:  
Sent:  
To:  
Cc:  
Subject:

[Redacted]  
Friday, August 10, 2007 9:56 AM  
[Redacted]

**SENSITIVE BUT UNCLASSIFIED**  
**NON-RECORD**

8/10-14/07 would be the best. Let us know if you want a hotel room on the beach, we may be able to hook you up.

Thanks,

[Redacted]  
[Redacted]

-----Original Message-----

From: [Redacted]  
Sent: Wednesday, July 25, 2007 4:24 PM  
To: [Redacted]  
Subject: [Redacted]

**SENSITIVE BUT UNCLASSIFIED**  
**NON-RECORD**

b3  
b6  
b7C  
b7E

Advise us on the available date for Sept.

-----Original Message-----

From: [Redacted]  
Sent: Tuesday, July 24, 2007 3:18 PM  
To: [Redacted]  
Subject: [Redacted]

**SENSITIVE BUT UNCLASSIFIED**  
**NON-RECORD**

Put us on the list requesting [Redacted] Hopefully [Redacted] will be prioritized for funding. I will do an [Redacted]

Again, [Redacted] and I would like to be present for [Redacted] August is bad until 27th. Early Sept, much better.

Thanks,

[Redacted]  
[Redacted]

-----Original Message-----

From: [Redacted]  
Sent: Tuesday, July 24, 2007 2:50 PM  
To: [Redacted]  
Subject: [Redacted]

CELL/OTD 001756

**SENSITIVE BUT UNCLASSIFIED**  
**NON-RECORD**

[Redacted]

We would like to see if you could work with your field office [Redacted]

[Redacted]

-----Original Message-----

**From:** [Redacted]  
**Sent:** Tuesday, July 24, 2007 7:04 AM  
**To:** [Redacted]  
**Subject:** [Redacted]

**SENSITIVE BUT UNCLASSIFIED**  
**NON-RECORD**

FYI, [Redacted] has a VERY limited tech budget. Do I need to try to fight my office for extra money next year, or is there a possibility of [Redacted] covering the purchase sometime in the future?

[Redacted]

b3  
b6  
b7C  
b7E

-----Original Message-----

**From:** [Redacted]  
**Sent:** Monday, July 23, 2007 4:50 PM  
**To:** [Redacted]  
**Subject:** [Redacted]

**SENSITIVE BUT UNCLASSIFIED**  
**NON-RECORD**

-----Original Message-----

**From:** [Redacted]  
**Sent:** Monday, July 23, 2007 4:41 PM  
**To:** [Redacted]  
**Subject:** [Redacted]

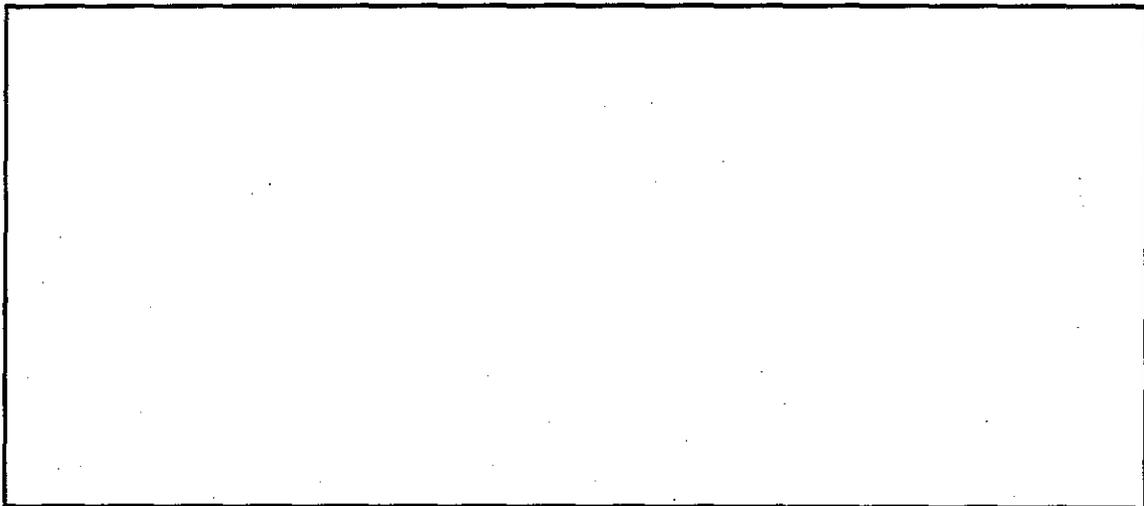
**SENSITIVE BUT UNCLASSIFIED**  
**NON-RECORD**

Mark:

I omit to inform you that we are shipping to your office a few items that were distributed in the [Redacted] conference. One of which is a thumbdrive that contained the powerpoint presentation materials which should be helpful to those who couldn't attend the conference but want to know what was covered. I recalled over the course of time that you had reached out to us and asked why you were not successful [Redacted]

[Redacted]  
[Redacted]  
[Redacted] [Material information including where to procure the part is shown in the enclosed attachment.]

<< File: [Redacted] ppt >>



b3  
b6  
b7C  
b7E

SENSITIVE BUT UNCLASSIFIED

[Redacted]

From: [Redacted]  
Sent: Friday, August 10, 2007 11:02 AM  
To: [Redacted]  
Cc: [Redacted]  
Subject: [Redacted]

**SENSITIVE BUT UNCLASSIFIED**  
**NON-RECORD**

Sorry 9/10-14

[Redacted]

-----Original Message-----

From: [Redacted]  
Sent: Friday, August 10, 2007 9:56 AM  
To: [Redacted]  
Cc: [Redacted]  
Subject: [Redacted]

b3  
b6  
b7C  
b7E

**SENSITIVE BUT UNCLASSIFIED**  
**NON-RECORD**

8/10-14/07 would be the best. Let us know if you want a hotel room on the beach, we may be able to hook you up.

Thanks,

[Redacted]

-----Original Message-----

From: [Redacted]  
Sent: Wednesday, July 25, 2007 4:24 PM  
To: [Redacted]  
Subject: [Redacted]

**SENSITIVE BUT UNCLASSIFIED**  
**NON-RECORD**

Advise us on the available date for Sept.

-----Original Message-----

From: [Redacted]  
Sent: Tuesday, July 24, 2007 3:18 PM  
To: [Redacted]  
Subject: [Redacted]

**SENSITIVE BUT UNCLASSIFIED**  
**NON-RECORD**

Put us on the list requesting [redacted] Hopefully [redacted] will be prioritized for funding. I will do an [redacted]  
Again [redacted] and I would like to be present for [redacted] August is bad until 27th. Early Sept, much better.

Thanks,

[redacted]

-----Original Message-----

From: [redacted]  
Sent: Tuesday, July 24, 2007 2:50 PM  
To: [redacted]  
Subject: [redacted]

**SENSITIVE BUT UNCLASSIFIED**  
**NON-RECORD**

[redacted]

We would like to see if you could work with your field office [redacted]

[redacted]

b3  
b6  
b7C  
b7E

-----Original Message-----

From: [redacted]  
Sent: Tuesday, July 24, 2007 7:04 AM  
To: [redacted]  
Subject: [redacted]

**SENSITIVE BUT UNCLASSIFIED**  
**NON-RECORD**

FYI [redacted] has a VERY limited tech budget. Do I need to try to fight my office for extra money next year, or is there a possibility of [redacted] covering the purchase sometime in the future?

[redacted]

-----Original Message-----

From: [redacted]  
Sent: Monday, July 23, 2007 4:50 PM  
To: [redacted]  
Subject: [redacted]

**SENSITIVE BUT UNCLASSIFIED**  
**NON-RECORD**

CELL/OTD 001760

-----Original Message-----

From: [redacted]  
Sent: Monday, July 23, 2007 4:41 PM  
To: [redacted]  
Subject: [redacted]

SENSITIVE BUT UNCLASSIFIED  
NON-RECORD

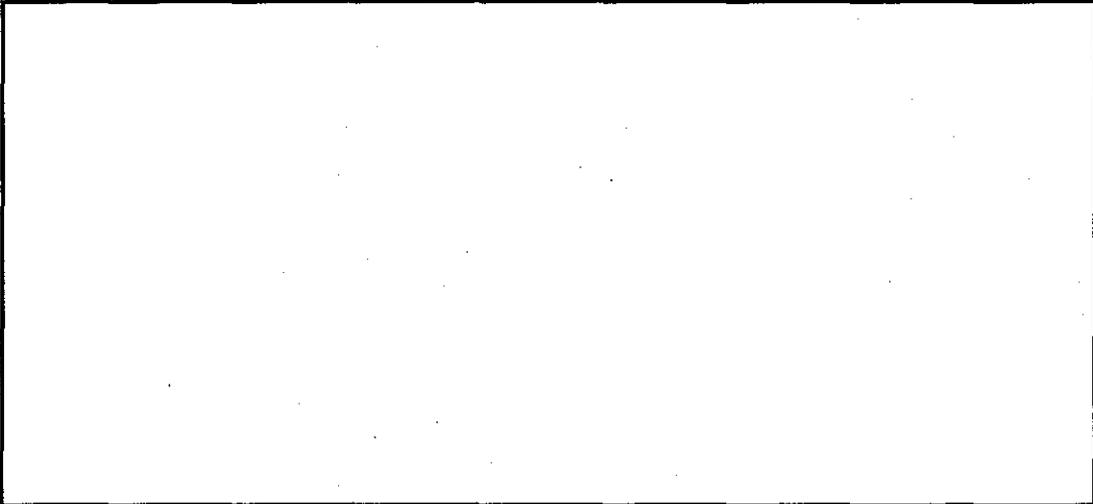
[redacted]

I omit to inform you that we are shipping to your office a few items that were distributed in the [redacted] conference. One of which is a thumbdrive that contained the powerpoint presentation materials which should be helpful to those who couldn't attend the conference but want to know what was covered. I recalled over the course of time that you had reached out to us and asked why you were not successful [redacted]

[redacted]

[redacted] [Material information including where to procure the part is shown in the enclosed attachment.]

<< File: [redacted].ppt >>



b3  
b6  
b7C  
b7E

SENSITIVE BUT UNCLASSIFIED

CELL/OTD 001761

SENSITIVE BUT UNCLASSIFIED

SENSITIVE BUT UNCLASSIFIED

SENSITIVE BUT UNCLASSIFIED

CELL/OTD 001762

[Redacted]

From: [Redacted]  
Sent: Friday, August 10, 2007 3:15 PM  
To: [Redacted]  
Cc: [Redacted]  
Subject: [Redacted]

**SENSITIVE BUT UNCLASSIFIED**  
**NON-RECORD**

Hi [Redacted]

Here are some recent developments that have come out of the meeting [Redacted] (Program Manager) attended at [Redacted] this week that I would like to bring to your attention as it relates to my planned [Redacted]

[Redacted]

[Redacted]

b3  
b6  
b7C  
b7E

I will follow up with a telephone call to clarify if necessary.

[Redacted]

-----Original Message-----

From: [Redacted]  
Sent: Friday, August 10, 2007 11:02 AM  
To: [Redacted]  
Cc: [Redacted]  
Subject: [Redacted]

**SENSITIVE BUT UNCLASSIFIED**  
**NON-RECORD**

Sorry 9/10-14

[Redacted]

-----Original Message-----

From: [Redacted]  
Sent: Friday, August 10, 2007 9:56 AM  
To: [Redacted]  
Cc: [Redacted]  
Subject: [Redacted]

SENSITIVE BUT UNCLASSIFIED  
NON-RECORD

8/10-14/07 would be the best. Let us know if you want a hotel room on the beach, we may be able to hook you up.

Thanks,

[Redacted]

-----Original Message-----

From: [Redacted]  
Sent: Wednesday, July 25, 2007 4:24 PM  
To: [Redacted]  
Subject: [Redacted]

SENSITIVE BUT UNCLASSIFIED  
NON-RECORD

Advise us on the available date for Sept.

-----Original Message-----

From: [Redacted]  
Sent: Tuesday, July 24, 2007 3:18 PM  
To: [Redacted]  
Subject: [Redacted]

SENSITIVE BUT UNCLASSIFIED  
NON-RECORD

Put us on the list requesting [Redacted] Hopefully [Redacted] will be prioritized for funding. I will do an [Redacted]

Again [Redacted] and I would like to be present for [Redacted] August is bad until 27th. Early Sept, much better.

Thanks,

[Redacted]

-----Original Message-----

From: [Redacted]  
Sent: Tuesday, July 24, 2007 2:50 PM  
To: [Redacted]  
Subject: [Redacted]

SENSITIVE BUT UNCLASSIFIED  
NON-RECORD

[Redacted]

We would like to see if you could work with your field office [Redacted]

[Redacted]

CELL/OTD 001704

b3  
b6  
b7C  
b7E

[Redacted]

-----Original Message-----

From: [Redacted]  
Sent: Tuesday, July 24, 2007 7:04 AM  
To: [Redacted]  
Subject: [Redacted]

**SENSITIVE BUT UNCLASSIFIED**  
**NON-RECORD**

FYI, [Redacted] has a VERY limited tech budget. Do I need to try to fight my office for extra money next year, or is there a possibility of [Redacted] covering the purchase sometime in the future?

[Redacted]

-----Original Message-----

From: [Redacted]  
Sent: Monday, July 23, 2007 4:50 PM  
To: [Redacted]  
Subject: [Redacted]

**SENSITIVE BUT UNCLASSIFIED**  
**NON-RECORD**

b3  
b6  
b7C  
b7E

-----Original Message-----

From: [Redacted]  
Sent: Monday, July 23, 2007 4:41 PM  
To: [Redacted]  
Subject: [Redacted]

**SENSITIVE BUT UNCLASSIFIED**  
**NON-RECORD**

[Redacted]

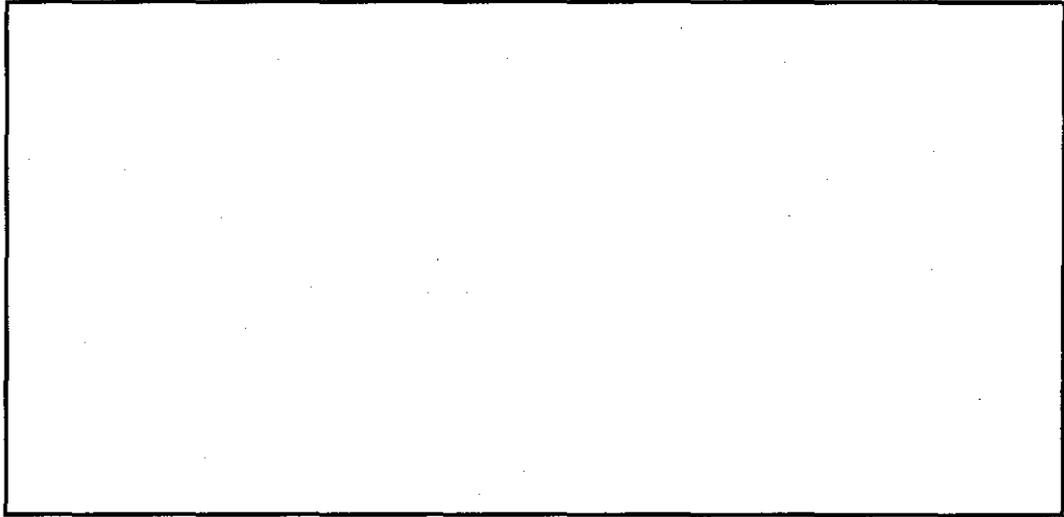
I omit to inform you that we are shipping to your office a few items that were distributed in the [Redacted] conference. One of which is a thumbdrive that contained the powerpoint presentation materials which should be helpful to those who couldn't attend the conference but want to know what was covered. I recalled over the course of time that you had reached out to us and asked why you were not successful [Redacted]

[Redacted]

[Redacted] [Material information including where to procure the part is shown in the enclosed attachment.]

<< File: [Redacted].ppt >>

CELL/OTD 001765  
18



b3  
b6  
b7C  
b7E

SENSITIVE BUT UNCLASSIFIED

CELL/OTD 001766

[Redacted]

From: [Redacted]  
Sent: Tuesday, August 14, 2007 2:15 PM  
To: [Redacted]  
Subject: [Redacted]

**SENSITIVE BUT UNCLASSIFIED**  
**NON-RECORD**

[Redacted]

[Redacted]

-----Original Message-----

From: [Redacted]  
Sent: Friday, August 10, 2007 3:57 PM  
To: [Redacted]  
Subject: [Redacted]

**SENSITIVE BUT UNCLASSIFIED**  
**NON-RECORD**

b3  
b6  
b7C  
b7D

Sounds good.  
Thanks

[Redacted]

-----Original Message-----

From: [Redacted]  
Sent: Friday, August 10, 2007 3:15 PM  
To: [Redacted]  
Cc: [Redacted]  
Subject: [Redacted]

**SENSITIVE BUT UNCLASSIFIED**  
**NON-RECORD**

Hi [Redacted]

Here are some recent developments that have come out of the meeting ([Redacted] Program Manager) attended at [Redacted] this week that I would like to bring to your attention as it relates to my planned [Redacted]

[Redacted]

[Redacted]

[Redacted]

I will follow up with a telephone call to clarify if necessary.

[Redacted]

-----Original Message-----

From: [Redacted]  
Sent: Friday, August 10, 2007 11:02 AM  
To: [Redacted]  
Cc: [Redacted]  
Subject: [Redacted]

**SENSITIVE BUT UNCLASSIFIED**  
**NON-RECORD**

Sorry 9/10-14

[Redacted]

b3  
b6  
b7C  
b7E

-----Original Message-----

From: [Redacted]  
Sent: Friday, August 10, 2007 9:56 AM  
To: [Redacted]  
Cc: [Redacted]  
Subject: [Redacted]

**SENSITIVE BUT UNCLASSIFIED**  
**NON-RECORD**

8/10-14/07 would be the best. Let us know if you want a hotel room on the beach, we may be able to hook you up.

Thanks.

[Redacted]

-----Original Message-----

From: [Redacted]  
Sent: Wednesday, July 25, 2007 4:24 PM  
To: [Redacted]  
Subject: [Redacted]

**SENSITIVE BUT UNCLASSIFIED**  
**NON-RECORD**

Advise us on the available date for Sept.

-----Original Message-----

**From:** [redacted]  
**Sent:** Tuesday, July 24, 2007 3:18 PM  
**To:** [redacted]  
**Subject:** [redacted]

**SENSITIVE BUT UNCLASSIFIED**  
**NON-RECORD**

Put us on the list requesting [redacted] Hopefully [redacted] will be prioritized for funding. I will do an [redacted]

Again [redacted] would like to be present for [redacted] August is bad until 27th. Early Sept, much better.

Thanks,

[redacted]  
[redacted]

-----Original Message-----

**From:** [redacted]  
**Sent:** Tuesday, July 24, 2007 2:50 PM  
**To:** [redacted]  
**Subject:** [redacted]

**SENSITIVE BUT UNCLASSIFIED**  
**NON-RECORD**

[redacted]

We would like to see if you could work with your field office [redacted]

[redacted]

b3  
b6  
b7C  
b7E

-----Original Message-----

**From:** [redacted]  
**Sent:** Tuesday, July 24, 2007 7:04 AM  
**To:** [redacted]  
**Subject:** [redacted]

**SENSITIVE BUT UNCLASSIFIED**  
**NON-RECORD**

FYI [redacted] has a VERY limited tech budget. Do I need to try to fight my office for extra money next year, or is there a possibility of [redacted] covering the purchase sometime in the future?

[redacted]

[Redacted]

-----Original Message-----

From: [Redacted]  
Sent: Monday, July 23, 2007 4:50 PM  
To: [Redacted]  
Subject: [Redacted]

**SENSITIVE BUT UNCLASSIFIED**  
**NON-RECORD**

-----Original Message-----

From: [Redacted]  
Sent: Monday, July 23, 2007 4:41 PM  
To: [Redacted]  
Subject: [Redacted]

**SENSITIVE BUT UNCLASSIFIED**  
**NON-RECORD**

[Redacted]

I omit to inform you that we are shipping to your office a few items that were distributed in the [Redacted] conference. One of which is a thumbdrive that contained the powerpoint presentation materials which should be helpful to those who couldn't attend the conference but want to know what was covered. I recalled over the course of time that you had reached out to us and asked why you were not successful [Redacted]

b3  
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[Redacted]

[Material information including where to procure the part is shown in the enclosed attachment.]

<< File [Redacted].ppt >>

[Large Redacted Area]

**SENSITIVE BUT UNCLASSIFIED**

SENSITIVE BUT UNCLASSIFIED

CELL/OTD  
24

001771

[Redacted]

From: [Redacted]  
Sent: Sunday, September 23, 2007 6:13 PM  
To: [Redacted]  
Subject: [Redacted]

SENSITIVE BUT UNCLASSIFIED  
NON-RECORD

[Redacted]

[Redacted]

-----Original Message-----

From: [Redacted]  
Sent: Tuesday, August 14, 2007 6:02 PM  
To: [Redacted]  
Subject: RE: [Redacted]

SENSITIVE BUT UNCLASSIFIED  
NON-RECORD

b3  
b6  
b7C  
b7E

[Redacted]

-----Original Message-----

From: [Redacted]  
Sent: Tuesday, August 14, 2007 5:05 PM  
To: [Redacted]  
Subject: FYI [Redacted]

SENSITIVE BUT UNCLASSIFIED  
NON-RECORD

CELL/OTD 001772

-----Original Message-----

From: [redacted]  
Sent: Tuesday, August 14, 2007 4:42 PM  
To: [redacted]  
Subject: [redacted]

**SENSITIVE BUT UNCLASSIFIED**  
**NON-RECORD**

Got it today. Let us know when.

[redacted]

-----Original Message-----

From: [redacted]  
Sent: Tuesday, August 14, 2007 2:15 PM  
To: [redacted]  
Subject: [redacted]

**SENSITIVE BUT UNCLASSIFIED**  
**NON-RECORD**

[redacted]

[redacted]

b3  
b6  
b7C  
b7E

-----Original Message-----

From: [redacted]  
Sent: Friday, August 10, 2007 3:57 PM  
To: [redacted]  
Subject: [redacted]

**SENSITIVE BUT UNCLASSIFIED**  
**NON-RECORD**

Sounds good.  
Thanks

[redacted]

CELL/OTD 001773

-----Original Message-----

From: [redacted]  
Sent: Friday, August 10, 2007 3:15 PM  
To: [redacted]  
Cc: [redacted]  
Subject: [redacted]

**SENSITIVE BUT UNCLASSIFIED**  
**NON-RECORD**

Hi [redacted]

Here are some recent developments that have come out of the meeting [redacted] (Program Manager) attended at [redacted] this week that I would like to bring to your attention as it relates to my planned [redacted]

[redacted]

[redacted]

I will follow up with a telephone call to clarify if necessary.

[redacted]

b3  
b6  
b7C  
b7E

—Original Message—

From: [redacted]  
Sent: Friday, August 10, 2007 11:02 AM  
To: [redacted]  
Cc: [redacted]  
Subject: [redacted]

**SENSITIVE BUT UNCLASSIFIED**  
**NON-RECORD**

Sorry 9/10-14

[redacted]

—Original Message—

From: [redacted]  
Sent: Friday, August 10, 2007 9:56 AM  
To: [redacted]  
Cc: [redacted]  
Subject: [redacted]

**SENSITIVE BUT UNCLASSIFIED**  
**NON-RECORD**

CELL/BTD 001774

8/10-14/07 would be the best. Let us know if you want a hotel room on the beach, we may be able to hook you up.

Thanks,

[Redacted]

-----Original Message-----

From: [Redacted]  
Sent: Wednesday, July 25, 2007 4:24 PM  
To: [Redacted]  
Subject: [Redacted]

**SENSITIVE BUT UNCLASSIFIED**  
**NON-RECORD**

Advise us on the available date for Sept.

-----Original Message-----

From: [Redacted]  
Sent: Tuesday, July 24, 2007 3:18 PM  
To: [Redacted]  
Subject: [Redacted]

**SENSITIVE BUT UNCLASSIFIED**  
**NON-RECORD**

Put us on the list requesting [Redacted] Hopefully [Redacted] will be prioritized for funding. I will do ar [Redacted]

Again [Redacted] would like to be present for [Redacted] August is bad until 27th. Early Sept, much better.

b3  
b6  
b7C  
b7E

Thanks,

[Redacted]

-----Original Message-----

From: [Redacted]  
Sent: Tuesday, July 24, 2007 2:50 PM  
To: [Redacted]  
Subject: [Redacted]

**SENSITIVE BUT UNCLASSIFIED**  
**NON-RECORD**

[Redacted]

We would like to see if you could work with your field office [Redacted]

[Redacted]

[Redacted]

-----Original Message-----

From: [Redacted]  
Sent: Tuesday, July 24, 2007 7:04 AM  
To: [Redacted]  
Subject: [Redacted]

**SENSITIVE BUT UNCLASSIFIED**  
**NON-RECORD**

FYI, [Redacted] has a VERY limited tech budget. Do I need to try to fight my office for extra money next year, or is there a possibility of [Redacted] covering the purchase sometime in the future?

[Redacted]

-----Original Message-----

From: [Redacted]  
Sent: Monday, July 23, 2007 4:50 PM  
To: [Redacted]  
Subject: [Redacted]

**SENSITIVE BUT UNCLASSIFIED**  
**NON-RECORD**

b3  
b6  
b7C  
b7E

-----Original Message-----

From: [Redacted]  
Sent: Monday, July 23, 2007 4:41 PM  
To: [Redacted]  
Subject: [Redacted]

**SENSITIVE BUT UNCLASSIFIED**  
**NON-RECORD**

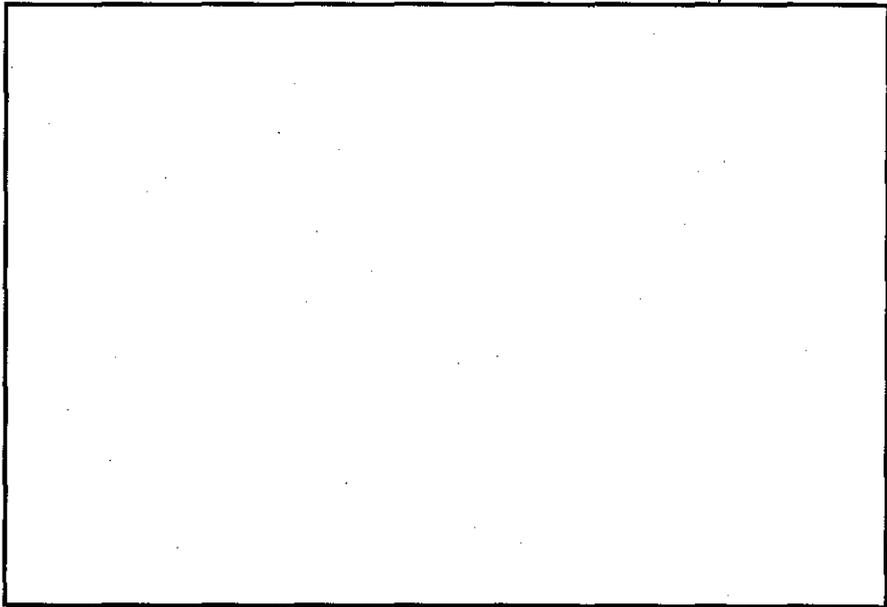
[Redacted]

I omit to inform you that we are shipping to your office a few items that were distributed in the [Redacted] conference. One of which is a thumbdrive that contained the powerpoint presentation materials which should be helpful to those who couldn't attend the conference but want to know what was covered. I recalled over the course of time that you had reached out to us and asked why you were not successful [Redacted]

[Redacted]

[Material information including where to procure the part is shown in the enclosed attachment.]

<< File: [Redacted].ppt >>



b3  
b6  
b7C  
b7E

SENSITIVE BUT UNCLASSIFIED

CELL/OTD 001778<sup>31</sup>

[Redacted]

From: [Redacted]  
Sent: Wednesday, October 10, 2007 8:46 AM  
To: [Redacted] ALL AGENTS  
Subject: [Redacted]

**SENSITIVE BUT UNCLASSIFIED**  
**NON-RECORD**

Hello all,

[Redacted]

b3  
b6  
b7C  
b7E

FYI, the basic SOP for requesting cell tracking is obtaining a Title 18, Section 2703(d) pen order.

[Redacted]

The best way to offer up our services to the locals is have them call you, then you give them [Redacted] or my cell numbers, and we will talk them through the process.

[Redacted]

**SENSITIVE BUT UNCLASSIFIED**

CELL/OTD 001781

[Redacted]

From: [Redacted]  
Sent: Monday, October 15, 2007 4:13 PM  
To: [Redacted]  
Subject: [Redacted]

**SENSITIVE BUT UNCLASSIFIED**  
**NON-RECORD**

[Redacted]

Did you receive your [Redacted] yet?  
I have a [Redacted] for you. It can be shipped out to your office.  
The [Redacted] is still pending.  
Let me know if you and your team still want an on-site working demonstration/training of the [Redacted] system at your location.  
You should now be able to use the [Redacted] to work in collaboration with your [Redacted] in any and all [Redacted]  
tracking mission.

[Redacted]

-----Original Message-----

From: [Redacted]  
Sent: Tuesday, July 24, 2007 3:18 PM  
To: [Redacted]  
Subject: [Redacted]

**SENSITIVE BUT UNCLASSIFIED**  
**NON-RECORD**

Put us on the list requesting [Redacted] Hopefully [Redacted] will be prioritized for funding. I will do an [Redacted]

Again, [Redacted] would like to be present for [Redacted] August is bad until 27th. Early Sept, much better.

Thanks.

[Redacted]

-----Original Message-----

From: [Redacted]  
Sent: Tuesday, July 24, 2007 2:50 PM  
To: [Redacted]  
Subject: [Redacted]

**SENSITIVE BUT UNCLASSIFIED**  
**NON-RECORD**

[Redacted]

We would like to see if you could work with your field office and [Redacted]

[Redacted]

CELL/OTD 0017852

b3  
b6  
b7C  
b7E

[Redacted]

-----Original Message-----

From: [Redacted]  
Sent: Tuesday, July 24, 2007 7:04 AM  
To: [Redacted]  
Subject: [Redacted]

**SENSITIVE BUT UNCLASSIFIED**  
**NON-RECORD**

FYI, [Redacted] has a VERY limited tech budget. Do I need to try to fight my office for extra money next year, or is there a possibility of [Redacted] covering the purchase sometime in the future?

[Redacted]

-----Original Message-----

From: [Redacted]  
Sent: Monday, July 23, 2007 4:50 PM  
To: [Redacted]  
Subject: [Redacted]

**SENSITIVE BUT UNCLASSIFIED**  
**NON-RECORD**

b3  
b6  
b7C  
b7E

-----Original Message-----

From: [Redacted]  
Sent: Monday, July 23, 2007 4:41 PM  
To: [Redacted]  
Subject: [Redacted]

**SENSITIVE BUT UNCLASSIFIED**  
**NON-RECORD**

[Redacted]

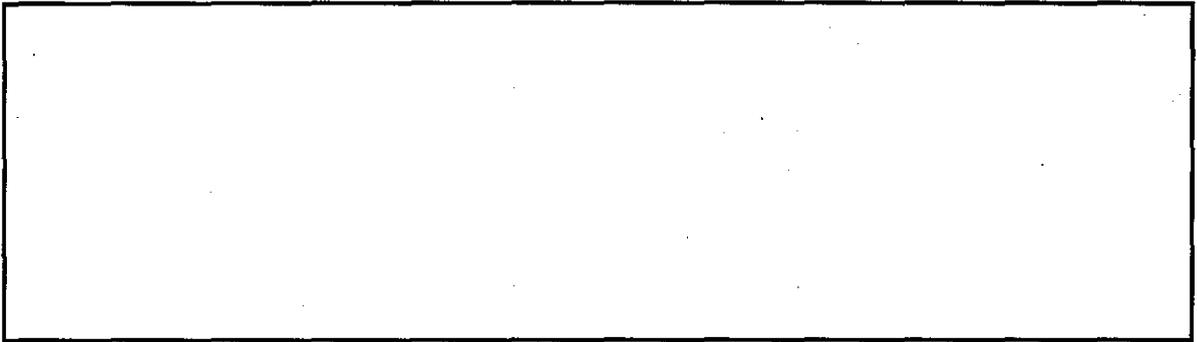
I omit to inform you that we are shipping to your office a few items that were distributed in the [Redacted] conference. One of which is a thumbdrive that contained the powerpoint presentation materials which should be helpful to those who couldn't attend the conference but want to know what was covered. I recalled over the course of time that you had reached out to us and asked why you were not successful [Redacted]

[Redacted]

[Material information including where to procure the part is shown in the enclosed attachment.]

<< File [Redacted].ppt >>

[Redacted]



b3  
b6  
b7C  
b7E

SENSITIVE BUT UNCLASSIFIED

[REDACTED]

From:  
Sent:  
To:  
Cc:  
Subject:

[REDACTED]  
Monday, October 15, 2007 4:19 PM

[REDACTED]

UNCLASSIFIED  
NON-RECORD

b3  
b6  
b7C  
b7E

[REDACTED] - Pls prepare and ship out to [REDACTED]

[REDACTED] Pls close out the [REDACTED] that [REDACTED] out in a few months ago once [REDACTED] has shipped out the items to [REDACTED]

[REDACTED]

UNCLASSIFIED

CELL/OTD 001785

[Redacted]

From: [Redacted]  
Sent: Friday, November 16, 2007 11:16 AM  
To: [Redacted]  
Cc:  
Subject: [Redacted]

UNCLASSIFIED  
NON-RECORD

If [Redacted] unit at [Redacted] we would recommend it be transferred to his office.  
We understand that the [Redacted]

I have heard that the [Redacted]

[Redacted]

-----Original Message-----

From: [Redacted]  
Sent: Friday, November 16, 2007 9:58 AM  
To: [Redacted]  
Cc:  
Subject: [Redacted]

UNCLASSIFIED  
NON-RECORD

b3  
b6  
b7C  
b7E

OK. I did not know that - I only stayed for one night at the tech conference.

Just so you know, for some reason, I have two [Redacted] Not sure why, but I do. I just noticed that I have two last week. I thought the other case was an [Redacted] but now that I have inventory, I was going through all of our [Redacted]

[Redacted]

[Redacted] do you need one?

[Redacted] does not need it, then what do you want with it?

I would imagine that some where, some division needs one.

If you want me to keep both, then so be it.  
Thanks again for getting back to me.

From: [Redacted]  
Sent: Thursday, November 15, 2007 1:05 PM  
To: [Redacted]  
Cc:  
Subject: [Redacted]

UNCLASSIFIED  
NON-RECORD

CELL/OTD 001808

In the [redacted] we advise the attendees to retain [redacted]

[Large redacted block]

-----Original Message-----

From: [redacted]  
Sent: Thursday, November 15, 2007 12:11 PM  
To: [redacted]  
Subject: [redacted]

UNCLASSIFIED  
NON-RECORD

Hello there. What shall we do with [redacted] you probably told me and I forgot-surplus is or send it back to you or hold it for now?

-----Original Message-----

From: [redacted]  
Sent: Tuesday, November 13, 2007 1:58 PM  
To: [redacted]  
Subject: [redacted]

UNCLASSIFIED  
NON-RECORD

b3  
b6  
b7C  
b7E

Thanks.

[redacted]

From: [redacted]  
Sent: Tuesday, November 13, 2007 1:07 PM  
To: [redacted]  
Subject: [redacted]

UNCLASSIFIED  
NON-RECORD

I'll find out what [redacted] wants. I would guess we can send them back to the unit. Ill get back to you.

[redacted]

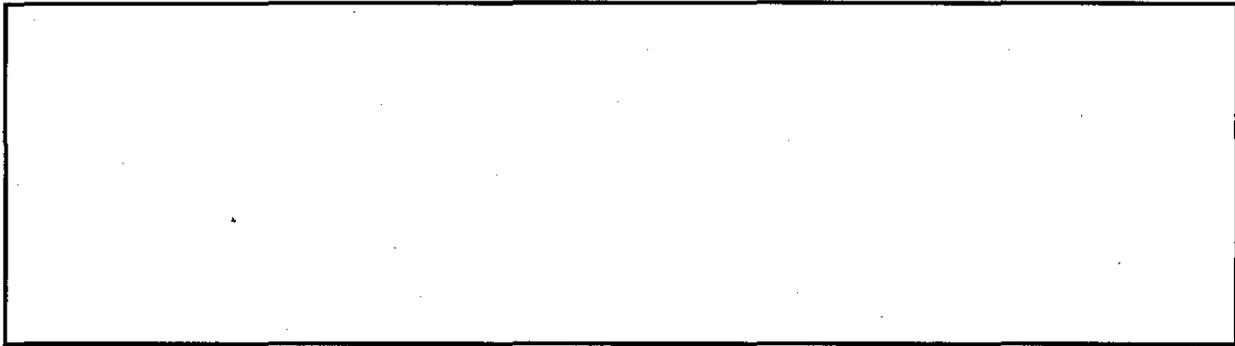
-----Original Message-----

From: [redacted]  
Sent: Tuesday, November 13, 2007 12:59 PM  
To: [redacted]  
Subject: [redacted]

UNCLASSIFIED  
NON-RECORD

Guys,

CELE/OTD 001809



b3  
b6  
b7C  
b7E

UNCLASSIFIED

UNCLASSIFIED

UNCLASSIFIED

UNCLASSIFIED

UNCLASSIFIED

UNCLASSIFIED

UNCLASSIFIED

CELL/OTD 001810

[Redacted]

From: [Redacted]  
Sent: Thursday, April 17, 2008 9:14 AM  
To: [Redacted] ALL FBI EMPLOYEES  
Subject: Historical cell phone location utilizing subpoena

UNCLASSIFIED  
NON-RECORD

Hello all,

I was assisting [Redacted] on a [Redacted] case when he made a very good point which I thought share.

If you are trying to locate an individual via cellular telephone, a simple subpoena for toll records with cell site/tower location [Redacted]

b6  
b7C  
b7E

[Redacted] Request the information to be delivered in an electronic format.

[Redacted]

[Redacted]

UNCLASSIFIED

CELL/OTD 001829

[Redacted]

From: [Redacted]  
Sent: Monday, May 19, 2008 12:51 PM  
To: [Redacted]  
Subject: [Redacted]

UNCLASSIFIED  
NON-RECORD

Just in case you hadn't heard this yet

From: [Redacted]  
Sent: Monday, May 19, 2008 10:14 AM  
To:

[Large Redacted Area]

b3  
b6  
b7C  
b7E

[Redacted]

Cc:  
Subject:

UNCLASSIFIED  
NON-RECORD

See below for some good information provided by [Redacted] SA [Redacted] in [Redacted]

[Redacted]

SSA [Redacted]

[Redacted]

From: [Redacted]

Sent: Friday, May 16, 2008 6:50 PM

To: [Redacted]  
Cc: [Redacted]  
Subject: [Redacted]

b3  
b4  
b6  
b7C  
b7E

UNCLASSIFIED  
NON-RECORD

Couple of items from [Redacted]

[Redacted]

Yesterday [Redacted] put on a one day class in [Redacted] for all law enforcement to discuss their commitment to helping law enforcement. They are apparently doing this in all regions of the country. Catch the one nearest you! It was pretty good they had members of their [Redacted] present, and their legal compliance team. They even feed us breakfast and lunch. No charge. [Redacted]

[Redacted]

Please pass on as appropriate.

[Redacted]  
[Redacted] Division [Redacted]  
[Redacted]

From: [Redacted]  
Sent: Tuesday, April 15, 2008 3:05 PM  
To: [Redacted]  
Cc: [Redacted]  
Subject: [Redacted]

UNCLASSIFIED  
NON-RECORD

[Redacted]

b3  
b6  
b7C  
b7E

From: [Redacted]  
Sent: Tuesday, April 15, 2008 3:57 PM  
To: [Redacted]  
Cc: [Redacted]  
Subject: [Redacted]

UNCLASSIFIED  
NON-RECORD

Gentlemen, I was approached by the [Redacted] regarding the ability to [Redacted]

[Redacted]

[Redacted] Division [Redacted]  
[Redacted]

UNCLASSIFIED

UNCLASSIFIED

UNCLASSIFIED

UNCLASSIFIED

UNCLASSIFIED

[Redacted]

From: [Redacted]  
Sent: Monday, May 19, 2008 2:31 PM  
To: [Redacted]  
Subject: [Redacted]

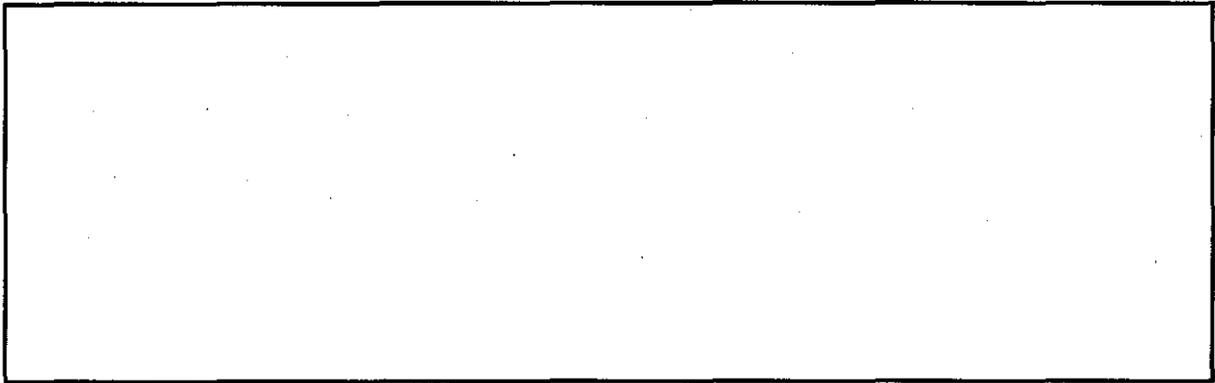
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NON-RECORD

FYI

From: [Redacted]  
Sent: Monday, May 19, 2008 12:17 PM  
To: [Redacted]

[Large Redacted Area]

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Cc:  
Subject:

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All:

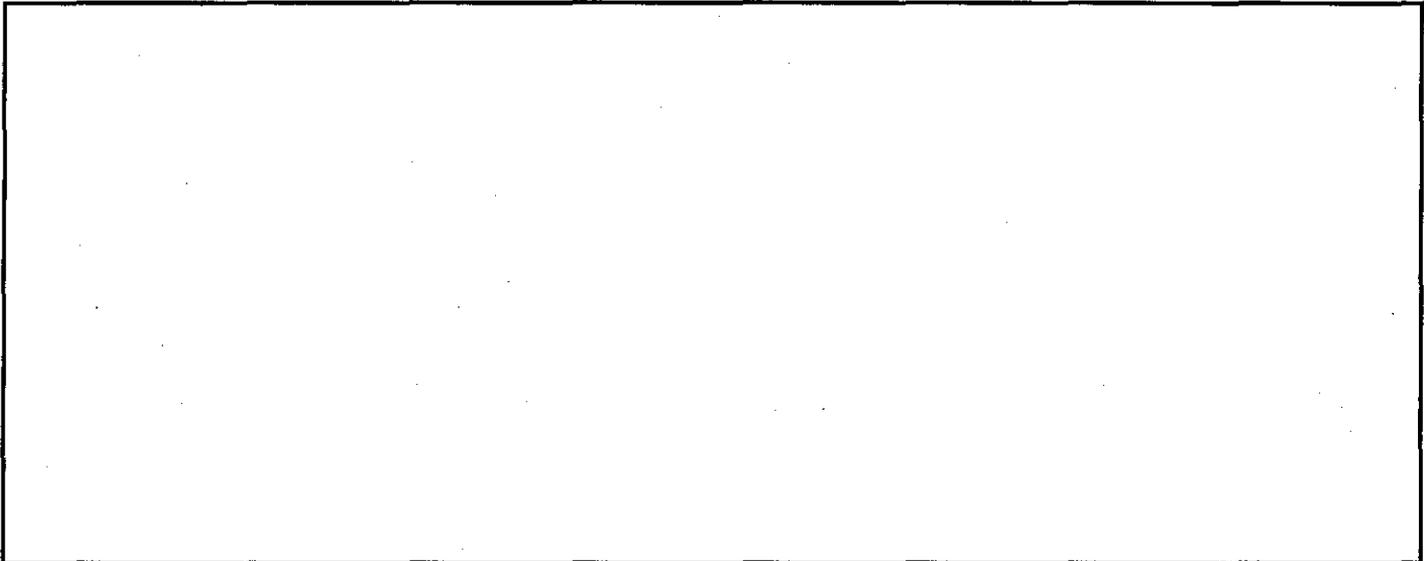
FYI: See below for additional info from [redacted]



SSA [redacted]  
[redacted]

From: [redacted]  
Sent: Monday, May 19, 2008 11:42 AM  
To: [redacted]  
Subject: [redacted]

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[Redacted]

From: [Redacted]  
Sent: Monday, May 19, 2008 10:32 AM  
To: [Redacted]  
Subject: [Redacted]

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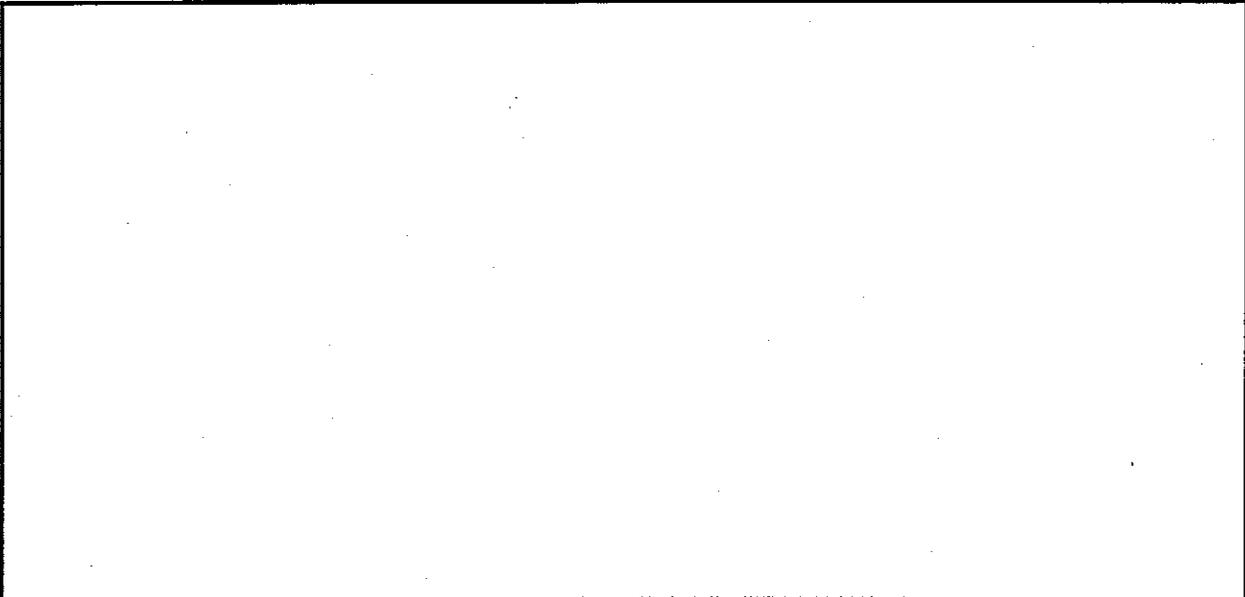
SSA [Redacted]  
Unit Chief

[Redacted]

From: [Redacted]  
Sent: Monday, May 19, 2008 10:14 AM  
To: [Redacted]

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Subject:

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See below for some good information provided by [redacted] in [redacted]

[redacted]

SSA [redacted]

[redacted]

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From: [redacted]  
Sent: Friday, May 16, 2008 6:50 PM  
To: [redacted]  
Cc: [redacted]  
Subject: [redacted]

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Couple of items from [redacted]

[redacted]

Yesterday [redacted] put on a one day class in [redacted] for all law enforcement to discuss their commitment to helping law enforcement. They are apparently doing this in all regions of the country. Catch the one nearest you! It was pretty good they had members of their [redacted] present, and their legal compliance team. They even feed us breakfast and lunch. No charge. [redacted]

[redacted]

[Redacted]

Please pass on as appropriate.

[Redacted]

SA [Redacted]  
[Redacted] Division [Redacted]

[Redacted]

From: [Redacted]  
Sent: Tuesday, April 15, 2008 3:05 PM  
To: [Redacted]  
Cc: [Redacted]  
Subject: [Redacted]

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[Redacted]

From: [Redacted]  
Sent: Tuesday, April 15, 2008 3:57 PM  
To: [Redacted]  
Cc: [Redacted]  
Subject: [Redacted]

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Gentlemen, I was approached by the [Redacted] regarding the ability to [Redacted]

[Redacted]

SA [Redacted]  
[Redacted] Division [Redacted]

CELL/OTD 001848  
101

To:

Cc:

Subject:

[Redacted]

Important [Redacted] Technical Bulletin

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~~NON-RECORD~~

[Redacted]

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~~SENSITIVE BUT UNCLASSIFIED~~

~~SECRET~~

[Redacted]

From: [Redacted]  
Sent: Thursday, November 06, 2008 1:29 PM  
To: [Redacted]  
Subject: [Redacted] Technical Bulletin

~~SENSITIVE BUT UNCLASSIFIED~~  
~~NON-RECORD~~

[Redacted]

How did you get on the [Redacted] update email list? Are you smart enough to turn the knobs by yourself?

FYI, [Redacted] are always enjoying the mild [Redacted] winters. I do admit that I miss a bit of snow now and again.

All the best,

[Redacted]

From: [Redacted]  
Sent: Thursday, November 06, 2008 10:58 AM  
To: [Redacted]  
Cc: [Redacted]  
Subject: [Redacted] Technical Bulletin

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[Large Redacted Area]

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FEDERAL BUREAU OF INVESTIGATION  
FOIPA  
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CELL/OTD 004213

[Redacted] (FBI)

From: [Redacted] (FBI)

Sent: Monday, September 20, 2004 10:37 AM

To: [Redacted] (ITD) (FBI)

Cc: [Redacted] (FBI); [Redacted] (FBI)

Subject: RE: Information

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**SENSITIVE BUT UNCLASSIFIED**  
**NON-RECORD**

Thanks for the info. Keep us posted. Something strange is happening.

[Redacted]

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-----Original Message-----

From: [Redacted] (ITD) (FBI)

Sent: Monday, September 20, 2004 9:42 AM

To: [Redacted] (FBI)

Cc: [Redacted] (ITD) (FBI)

Subject: Information

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**SENSITIVE BUT UNCLASSIFIED**  
**NON-RECORD**

[Large Redacted Area]

-----Original Message-----

From: [Redacted] (FBI)

Sent: Wednesday, September 15, 2004 4:11 PM

To: [Redacted] (ITD) (FBI); [Redacted] (ITD) (FBI); [Redacted]

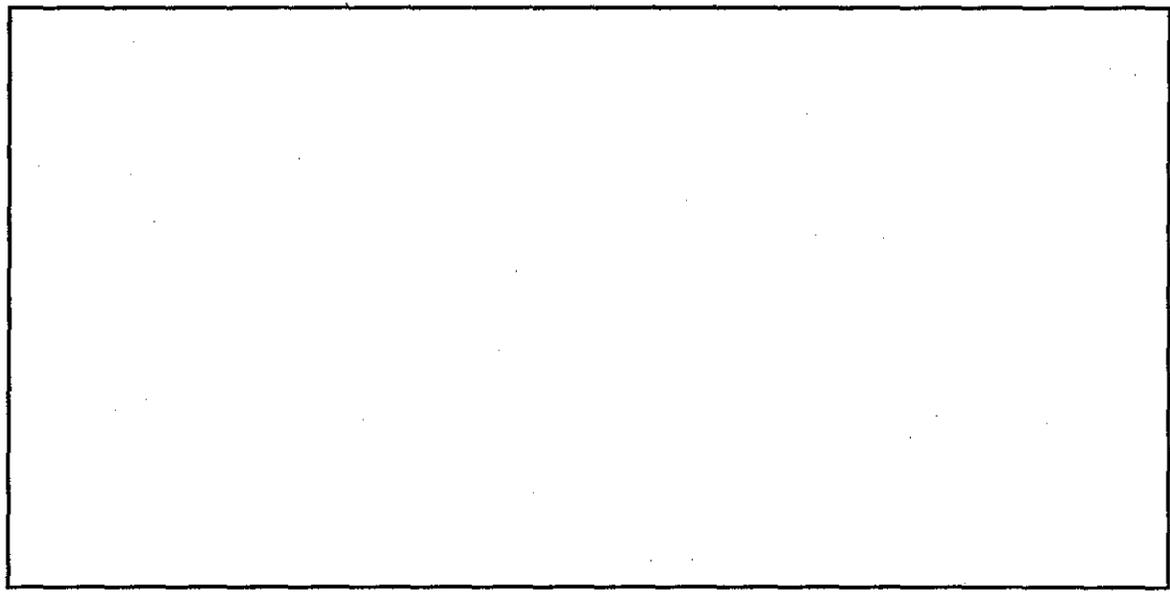
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(ITD) (FBI); [redacted] (ITD) (FBI); [redacted] (ITD) (FBI)  
Subject: Info from [redacted]

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CELL/GTD 004214



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SENSITIVE BUT UNCLASSIFIED

SENSITIVE BUT UNCLASSIFIED



# Introduction to



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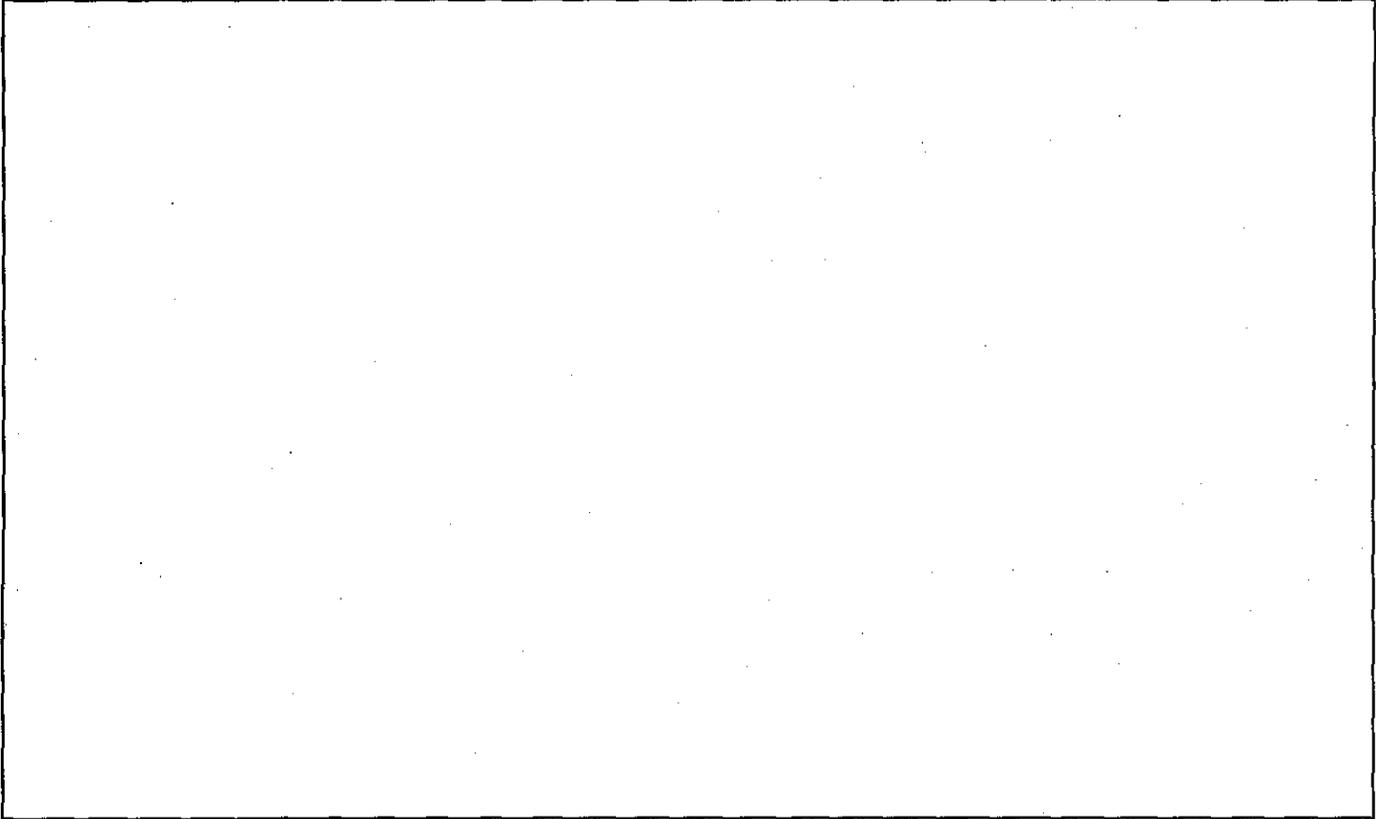


CELL/OTD 004254



Internal Use Only

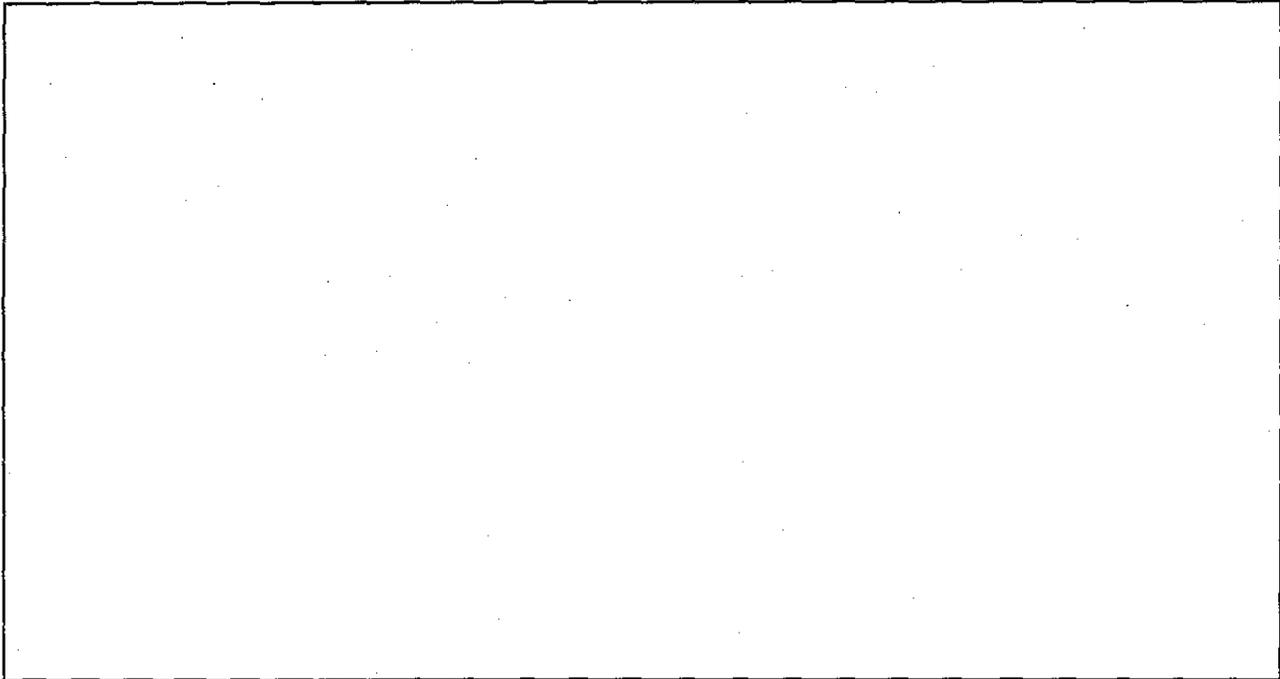
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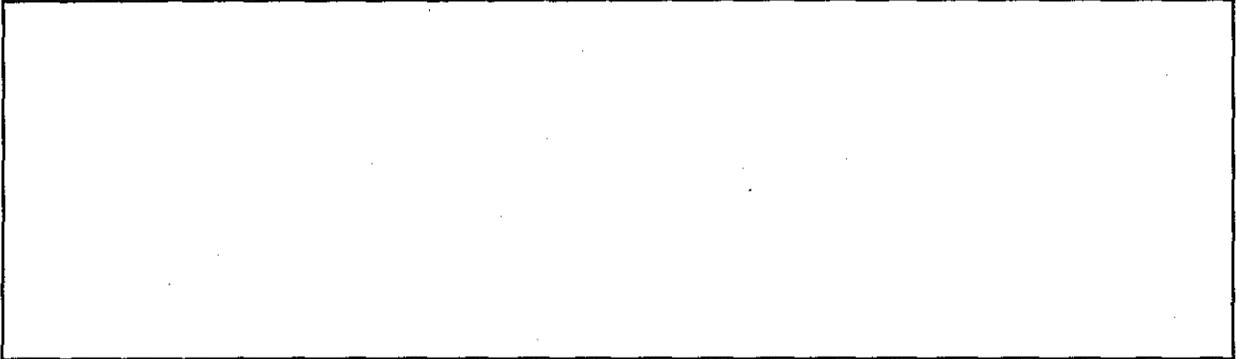
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CELL/OTD 004269

For Official Use Only

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# Quick Start Guides

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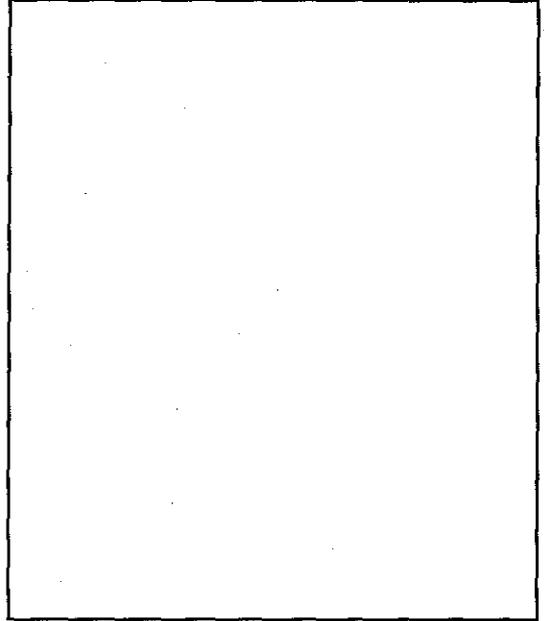
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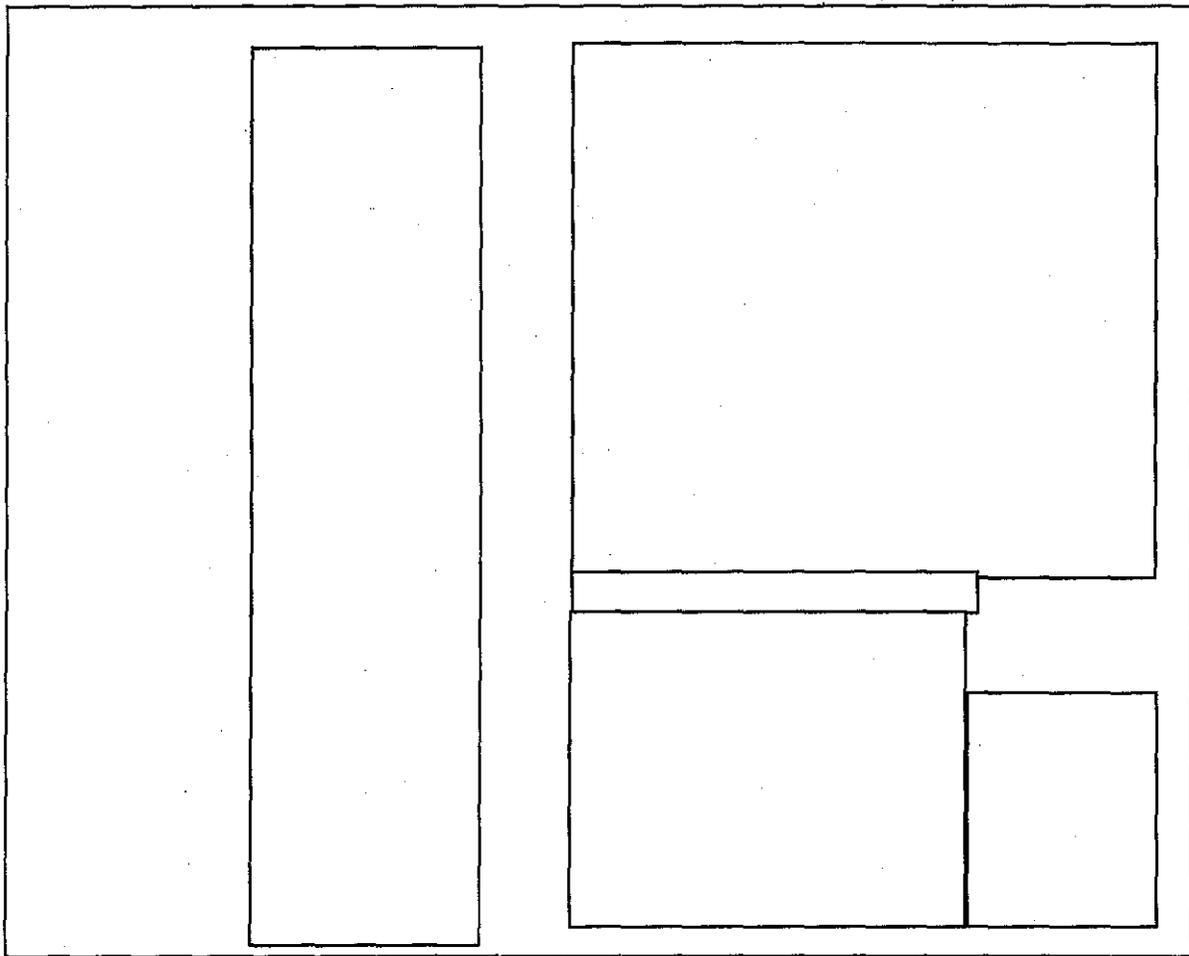
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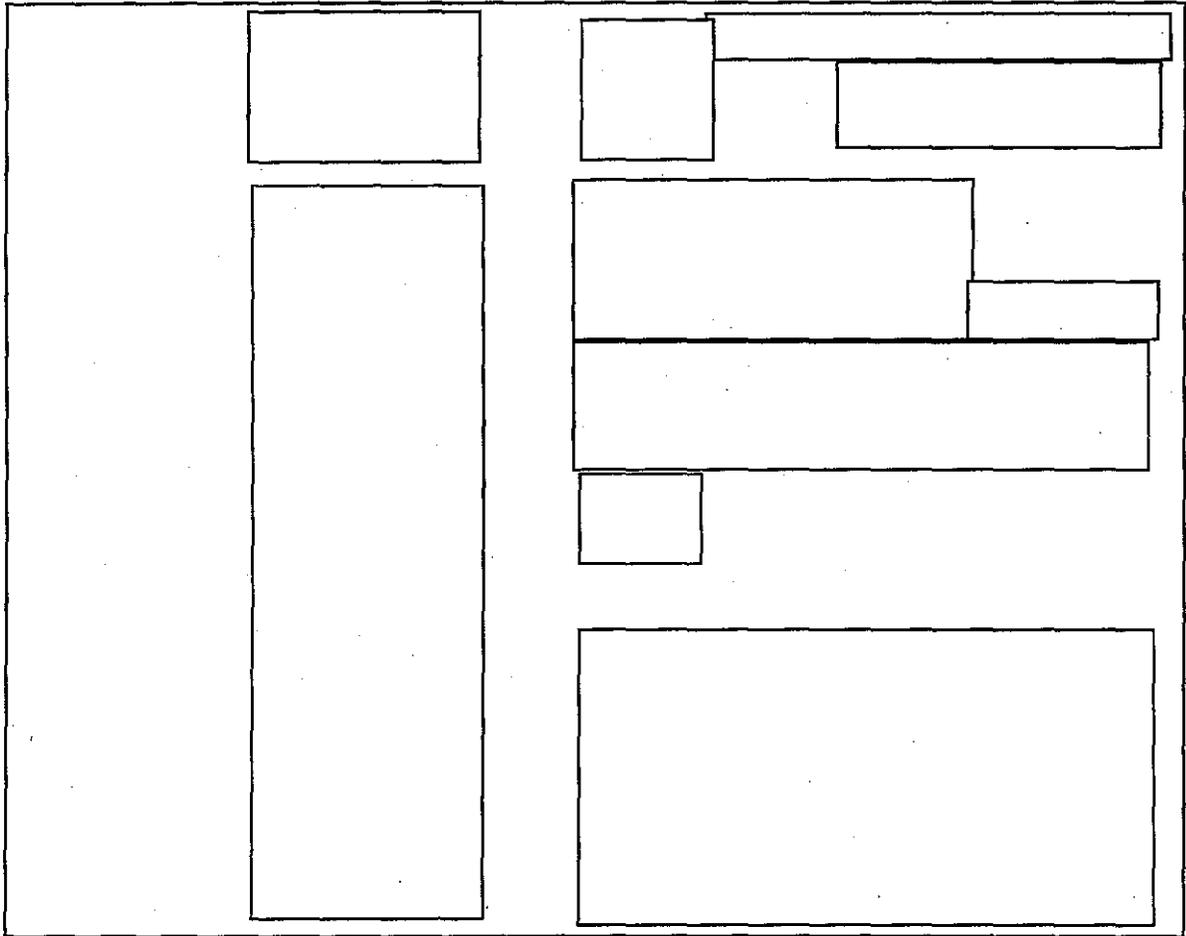
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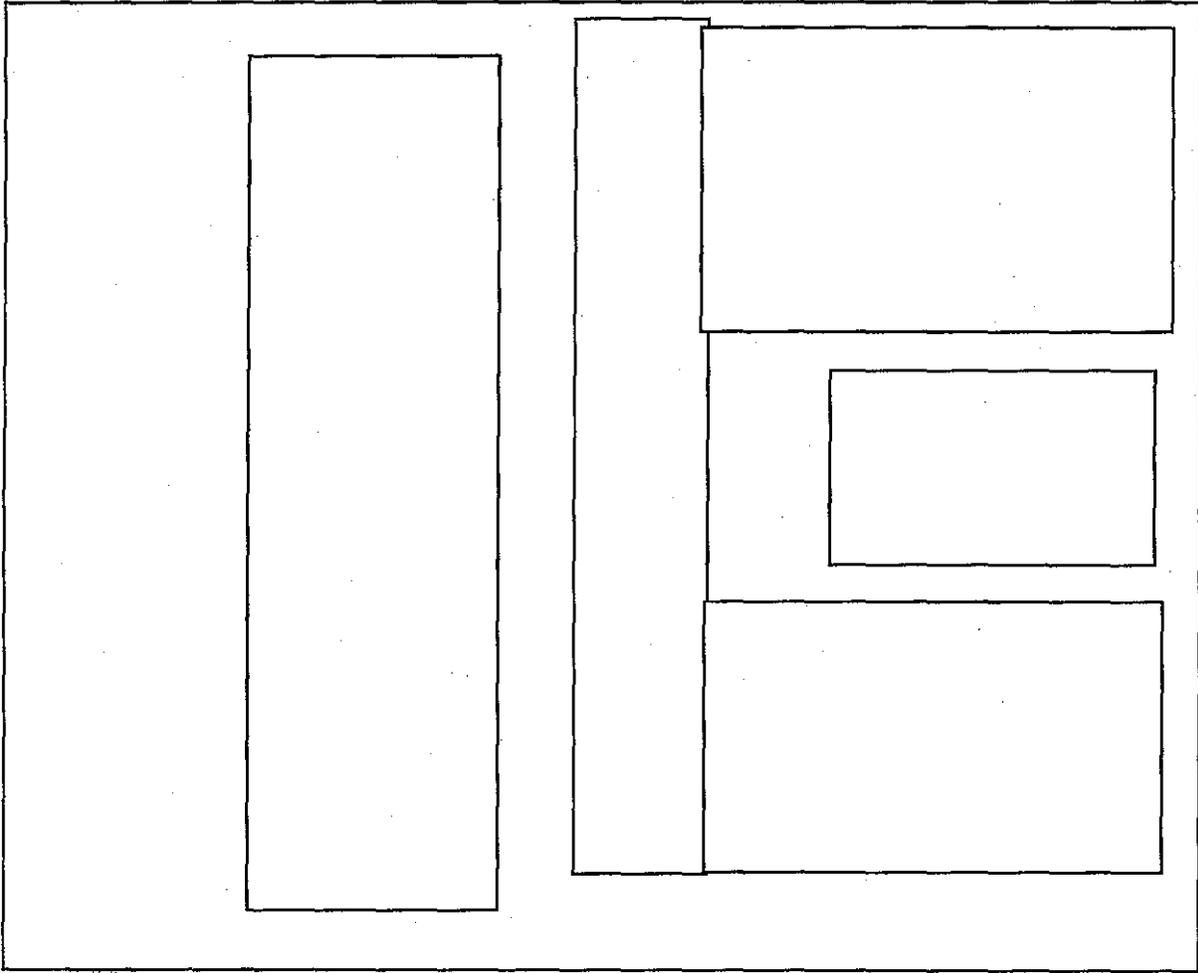
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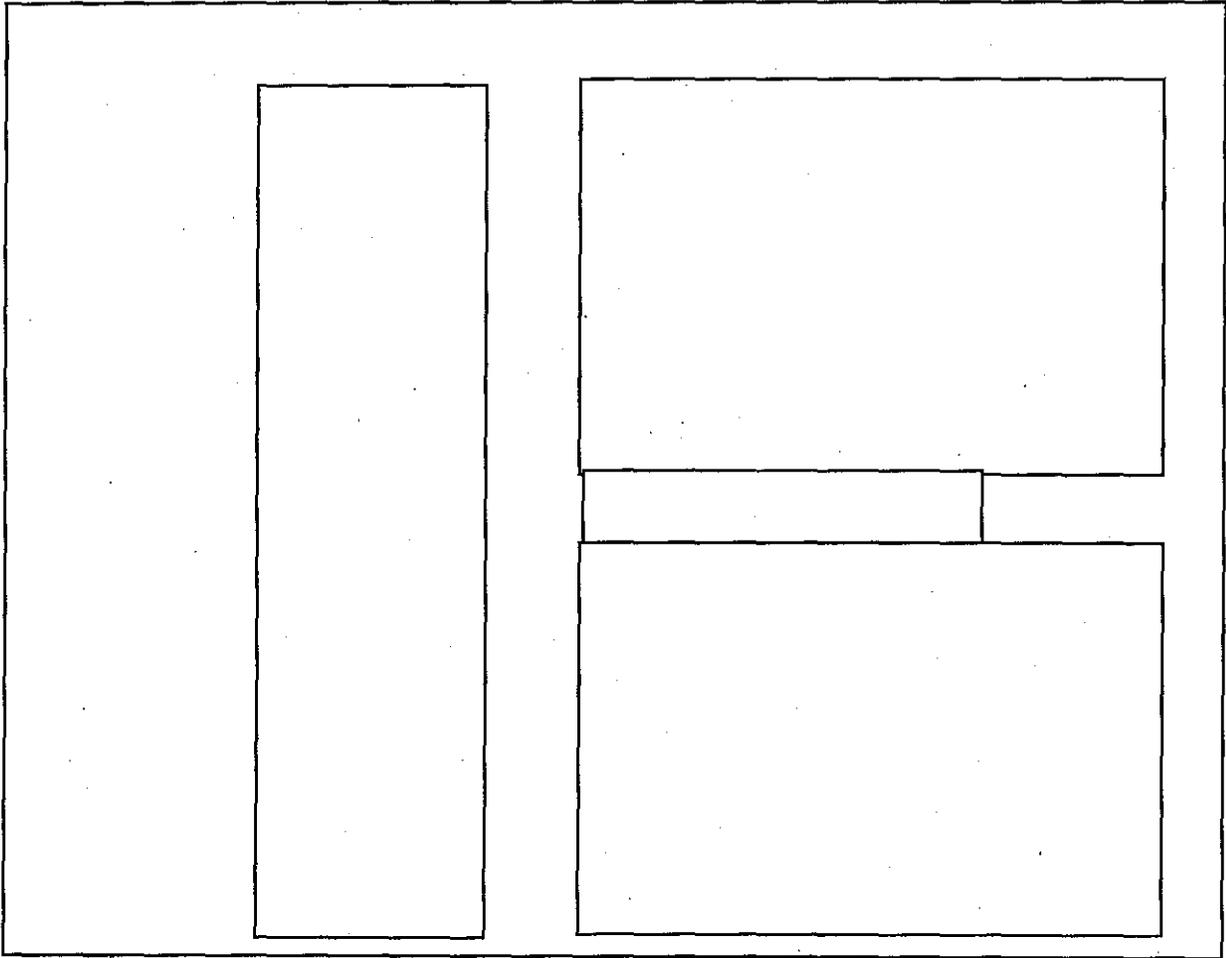
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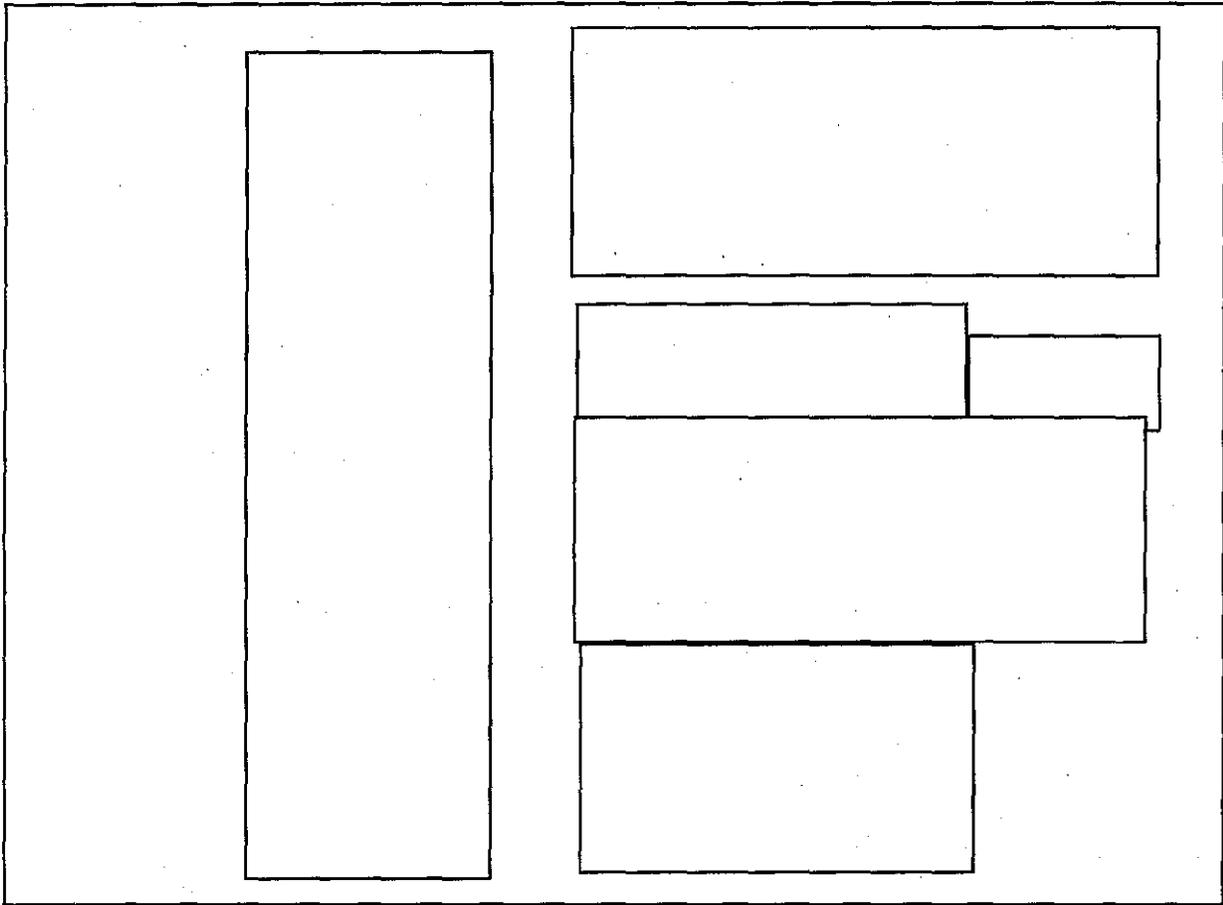
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CELL/OTD 004285



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CELL/OTD 004266

Agenda

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# Welcoming Remarks

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CELL/OTD 006287

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# Agenda - Day 1

Activity	Time	Activity Length	Presenter(s)
Welcoming Remarks	8:30 - 8:45 am	15 min	[Redacted]
Introduction to [Redacted] b7E	8:45 - 9:00 am	15 min	
Introduction to [Redacted]	9:00 - 9:10 am	10 min	
Introduction to [Redacted]	9:10 - 9:20 am	10 min	
Website Demo	9:20 - 9:35 am	15 min	
Introduction to CONOPS and Surveillance Techniques	9:35 - 10:00 am	25 min	[Redacted]
Break	10:00 - 10:15 am	15 min	
Introduction to Legal Issues	10:15 - 10:25 am	10 min	
Introduction to Wireless Industry	10:25 - 10:45 am	20 min	
Introduction to Mobile Phone System [Redacted]	10:45 - 11:20 am	35 min	[Redacted]
Lunch	11:20 - 12:50 pm	1 hr 30 min	
[Redacted]	12:50 - 1:15 pm	25 min	
[Redacted]	1:15 - 2:45 pm	1 hr 30 min	[Redacted]
Break	2:45 - 3:00 pm	15 min	
[Redacted] Lab Exercises	3:00 - 5:00 pm	2 hrs	
Wrap-up and Feedback Forms	5:00 - 5:15 pm	15 min	

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CELL/OTD 804288

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# Agenda - Day 2

Activity	Time	Activity Length	Presenter(s)
Day 1 Review (Question and comments)	8:30 - 8:40 am	10 min	[Redacted]
[Redacted] b7E	8:40 - 9:00 am	20 min	
[Redacted]	9:00 - 9:30 am	30 min	
[Redacted]	9:30 - 12:00 pm	2 hrs 30 min	[Redacted]
Lunch	12:00 - 1:30 pm	1 hr 30 min	
[Redacted]	1:30 - 6:00 pm	4 hrs 30 min	
Wrap-up and Feedback Forms	6:00 - 6:15 pm	15 min	

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CELL/OTD 004289

# Agenda - Day 3

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Activity	Time	Activity Length	Presenter(s)
Day 2 Review (Questions and comments)	8:30 - 8:35 am	5 min	
Introduction to [redacted] b7E	8:35 - 9:10 am	35 min	
[redacted]	9:10 - 10:10 am	1 hr	
[redacted]	10:10 - 12:00 pm	1 hr 50 min	
Lunch	12:00 - 1:30 pm	1 hr 30 min	
[redacted]	1:30 - 4:45 pm	3 hrs 15 min	
Wrap-up and Feedback Forms	4:45 - 5:00 pm	15 min	

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CELL/OTD 004290

# Agenda - Day 4

b7E

Activity	Time	Activity Length	Presenter(s)
Day 3 Review (Questions and comments)	8:30 - 8:40 am	10 min	
	8:40 - 11:30 am	2 hrs 50 min	
Lunch	11:30 - 1:00 pm	1 hr 30 min	
	1:00 - 4:45 pm	3 hrs 45 min	
Wrap-up and Feedback Forms	4:45 - 5:00 pm	15 min	

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CELL/OTD 004291

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# Agenda - Day 5

Activity	Time	Activity Length	Presenter(s)
Day 4 Review (Questions and comments)	8:00 - 8:10 am	10 min	
	8:10 - 10:15 am	2 hrs 5 min	
Feedback Forms	10:15 - 10:30 am	15 min	
Lunch	10:30 - 1:00 pm	2 hrs 30 min	
Wrap-up, Closing Remarks, and Dismissal (Collect Badges, Ship Equipment)	1:00 - 4:00 pm	3 hrs	

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CELL/OTD 004252

Intro

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For Official Use Only

 Program Overview

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For Official Use Only

 Organizational Chart

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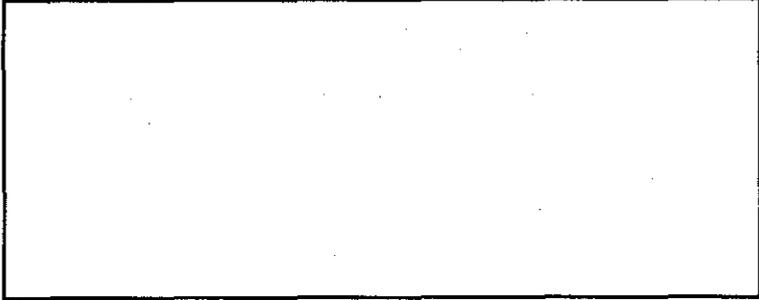
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For Official Use Only

Program Theory

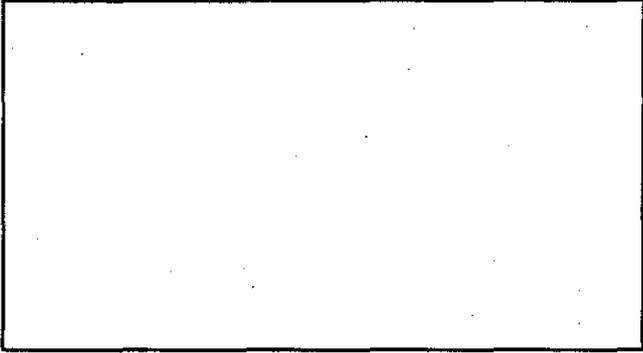
**Wireless technology is ingrained in our modern society.**



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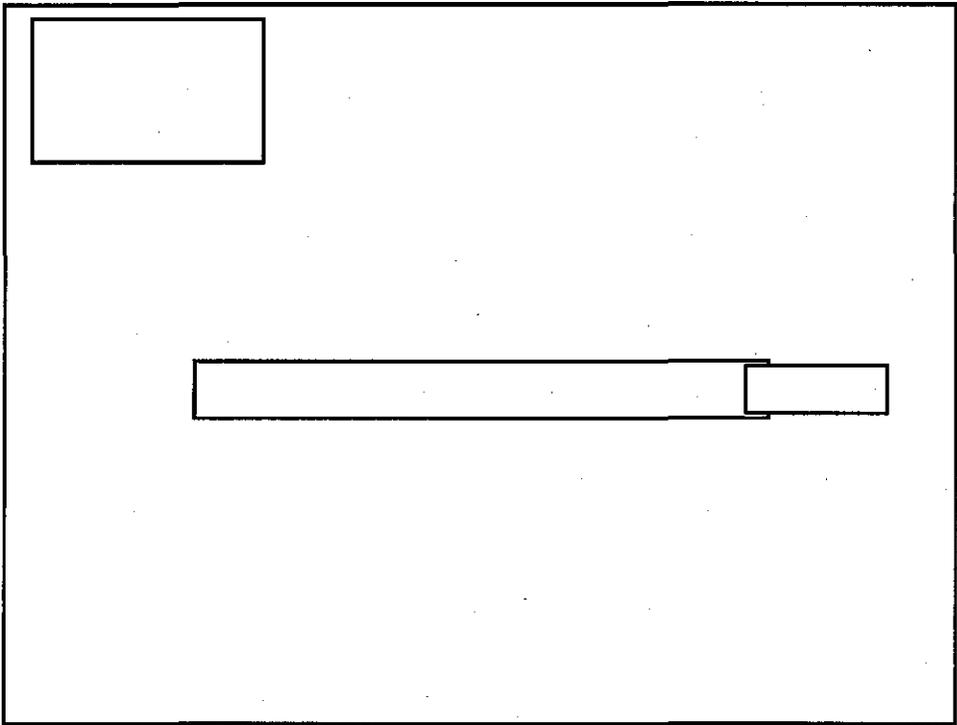
Program Mission



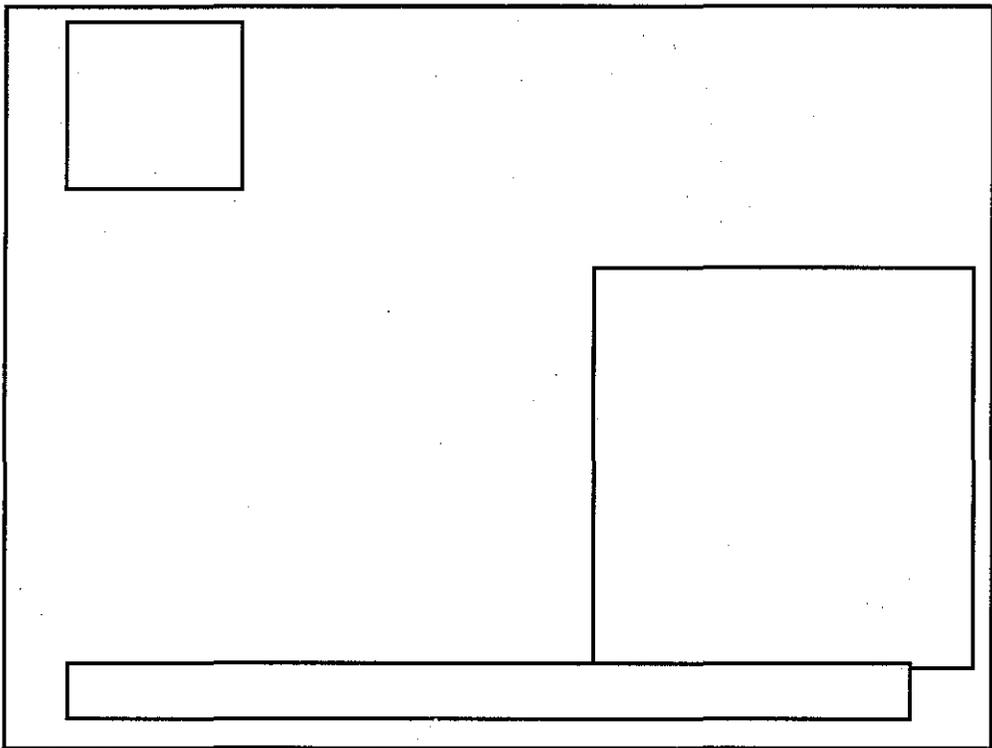
**... AND YOUR INPUT & INVOLVEMENT IS KEY!**

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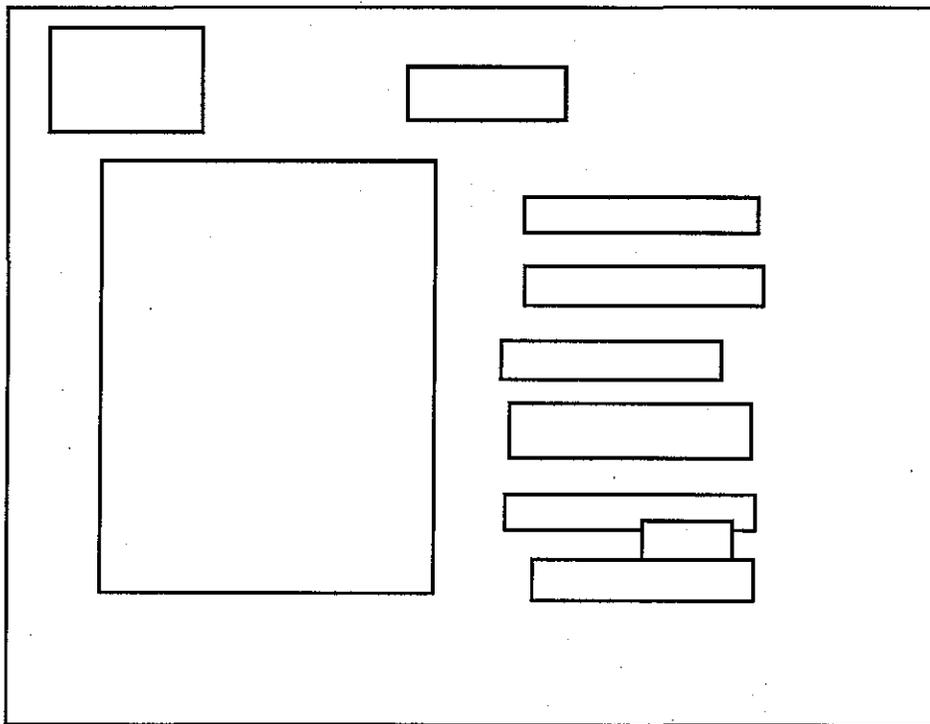


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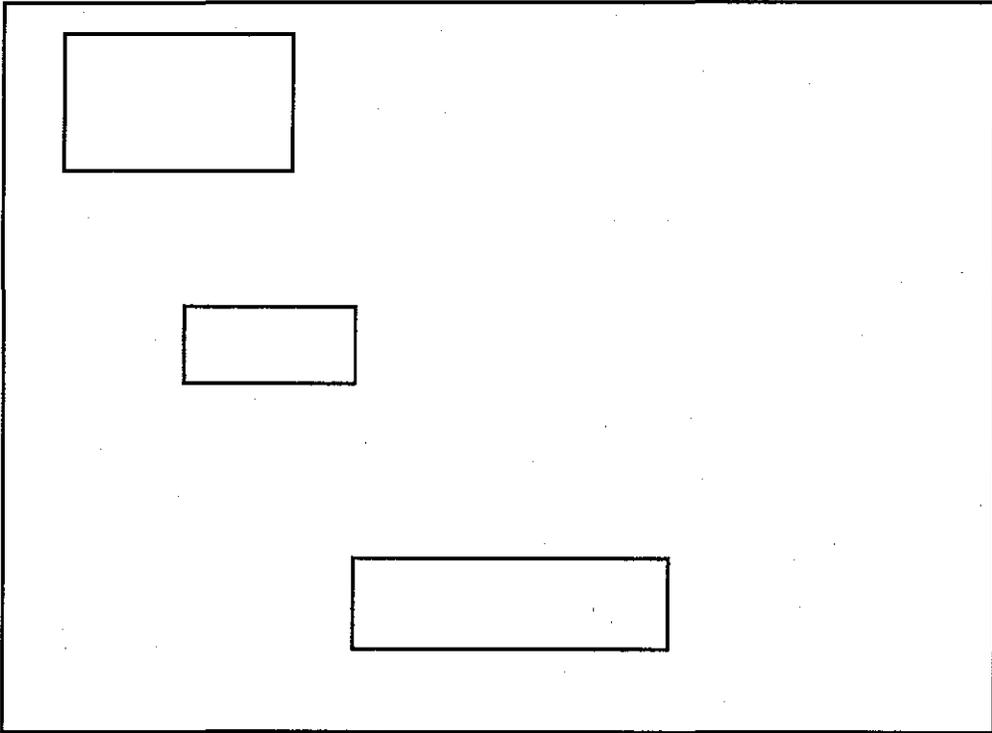
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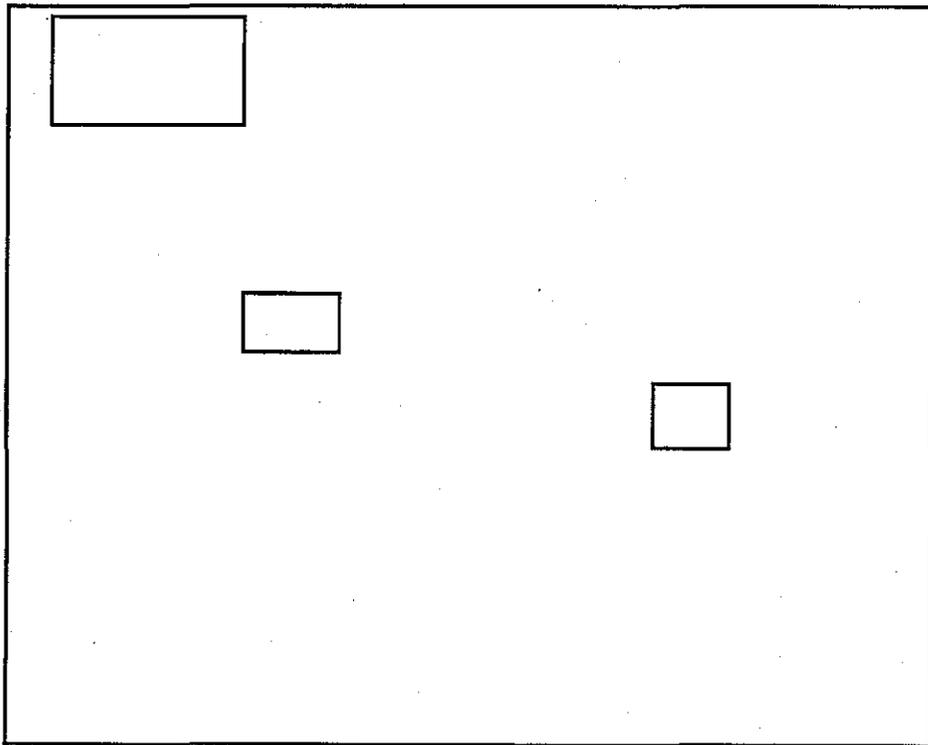
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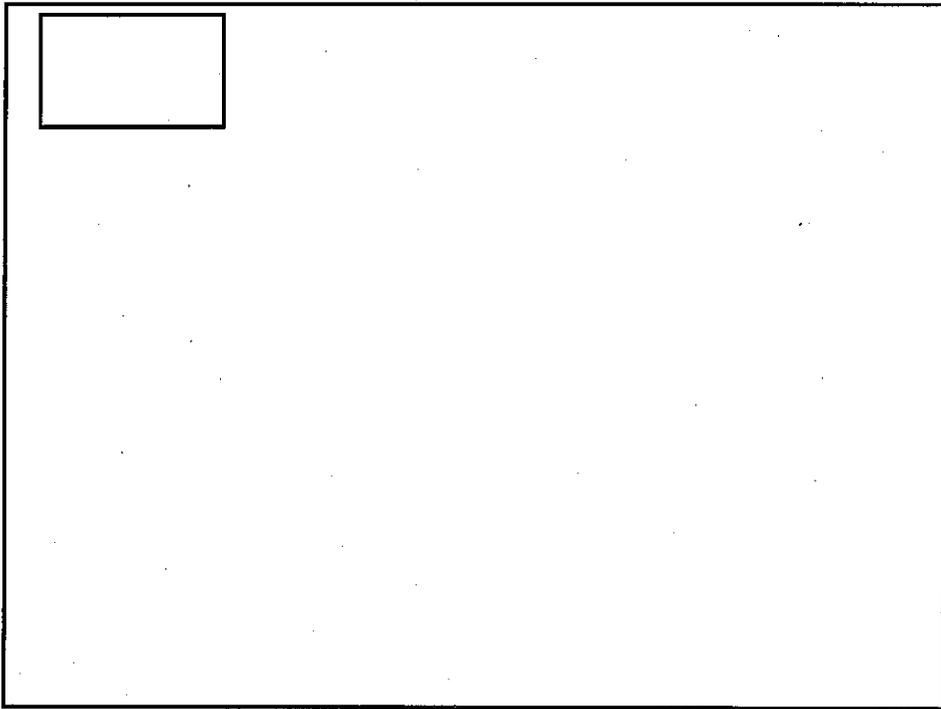


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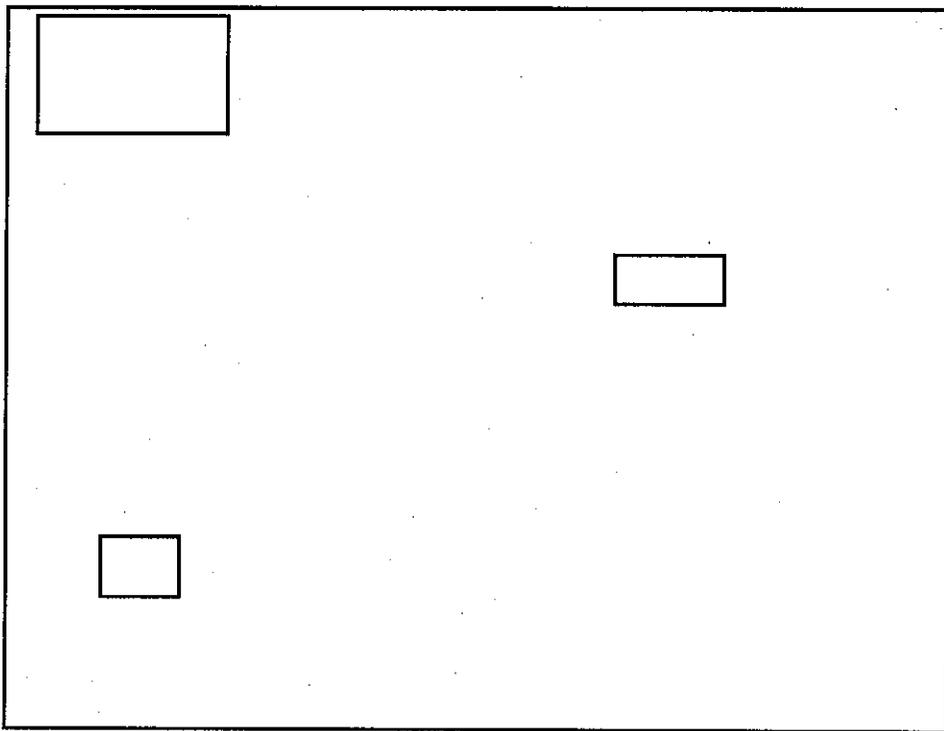


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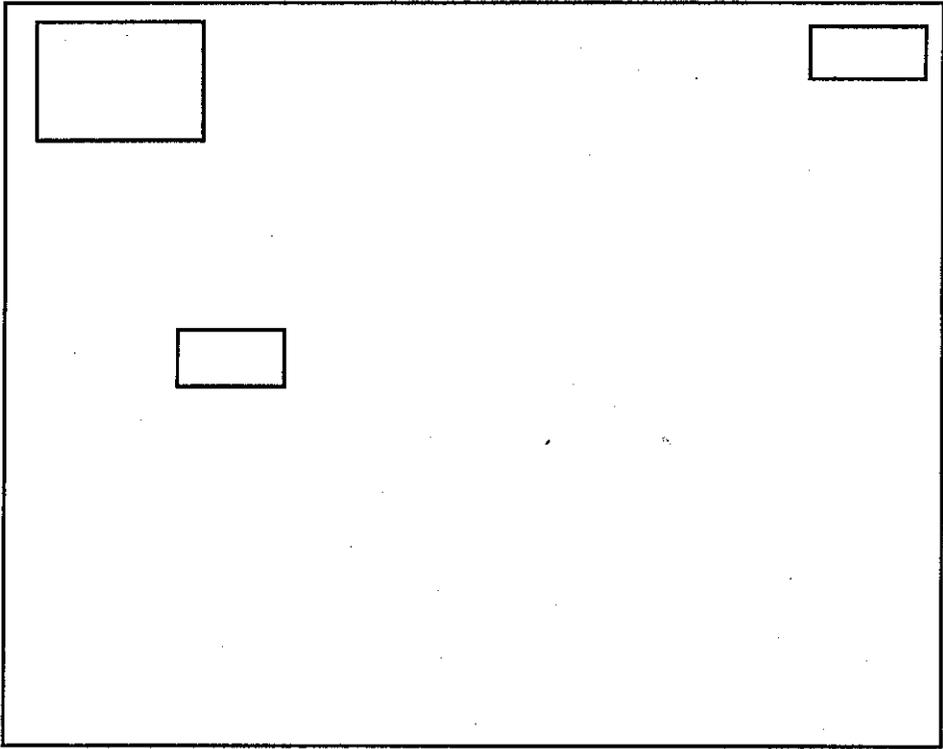


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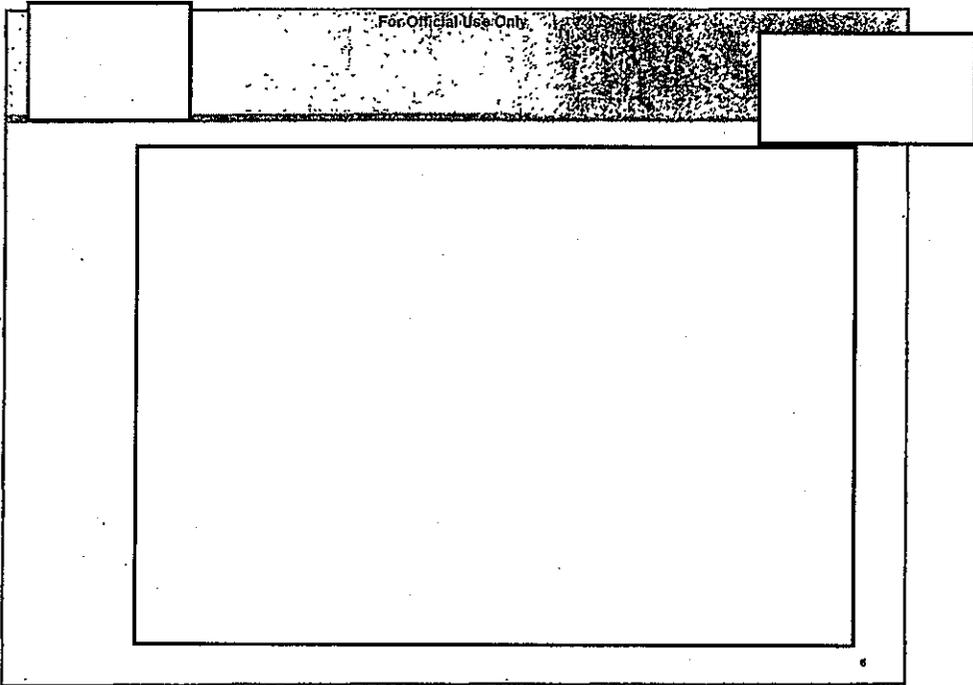


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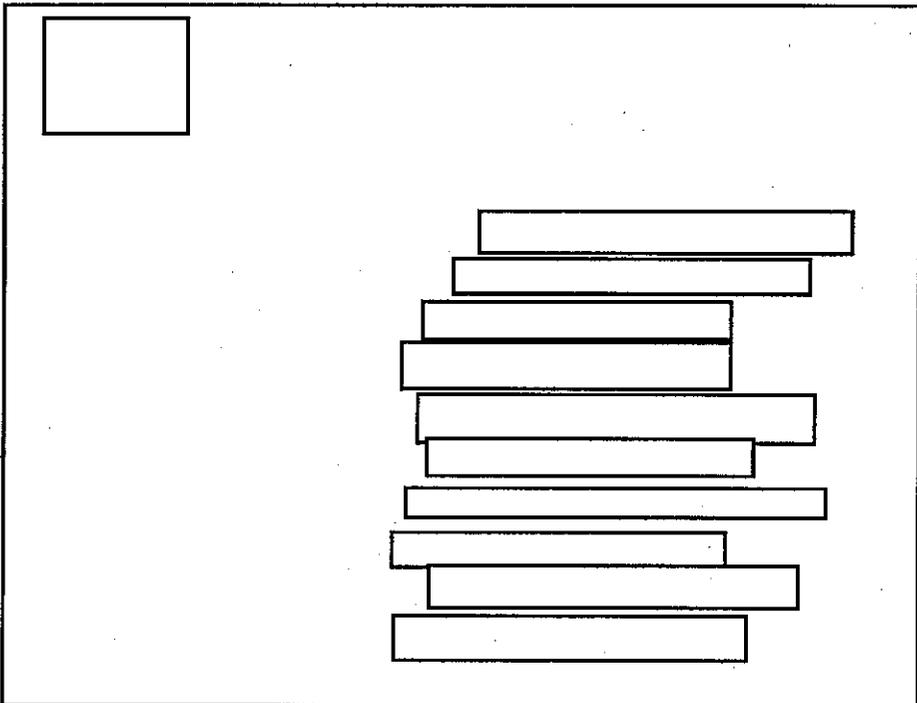
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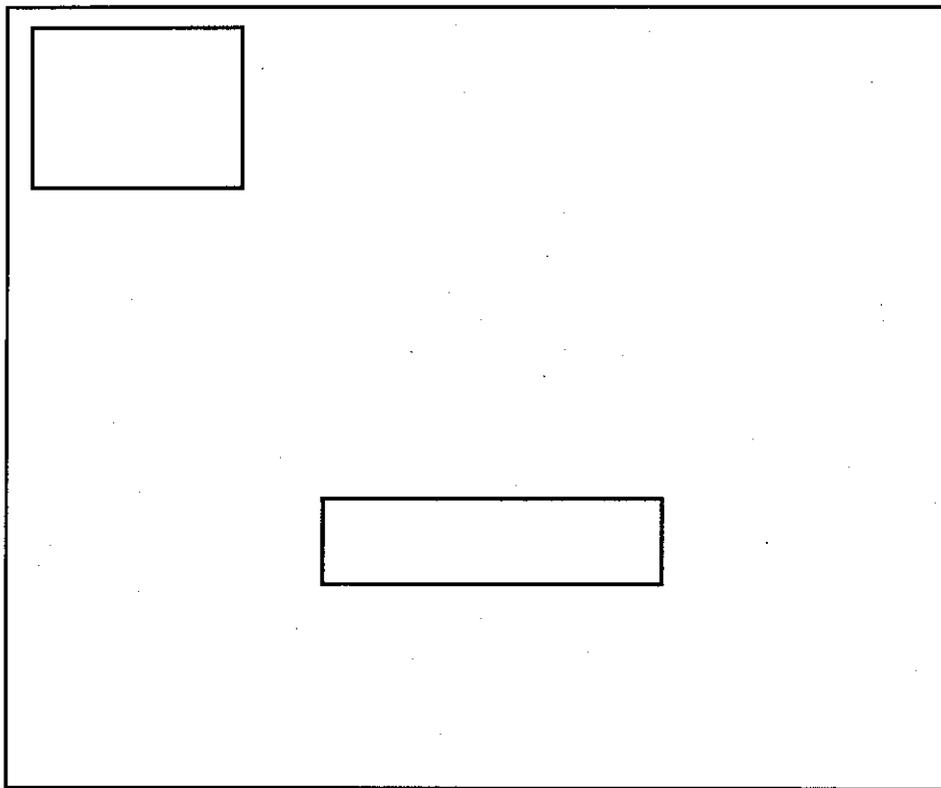
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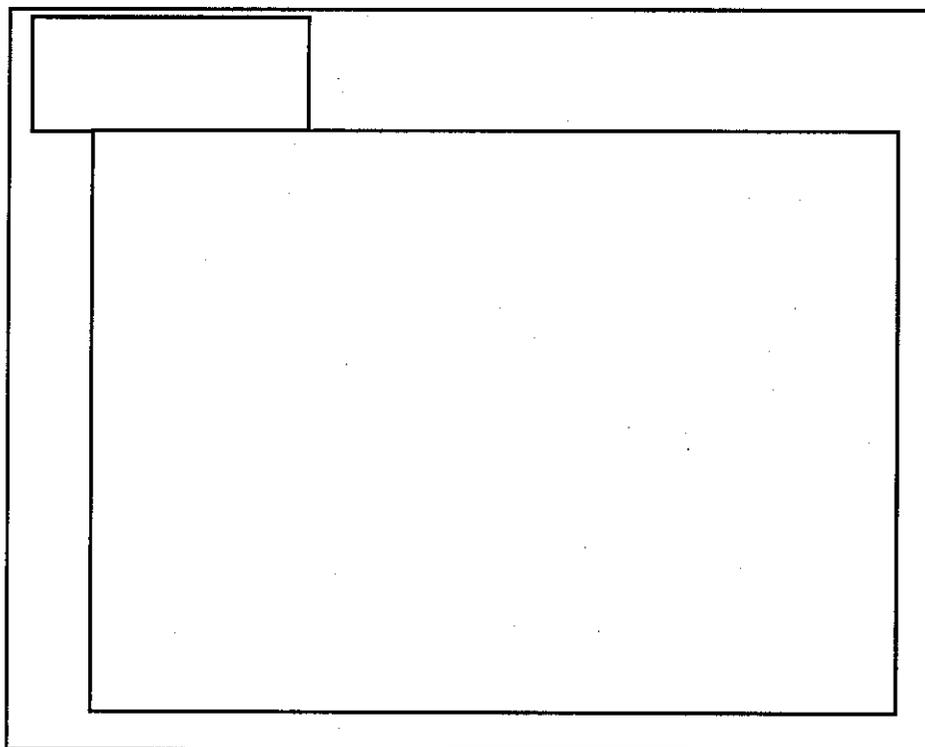


Intro

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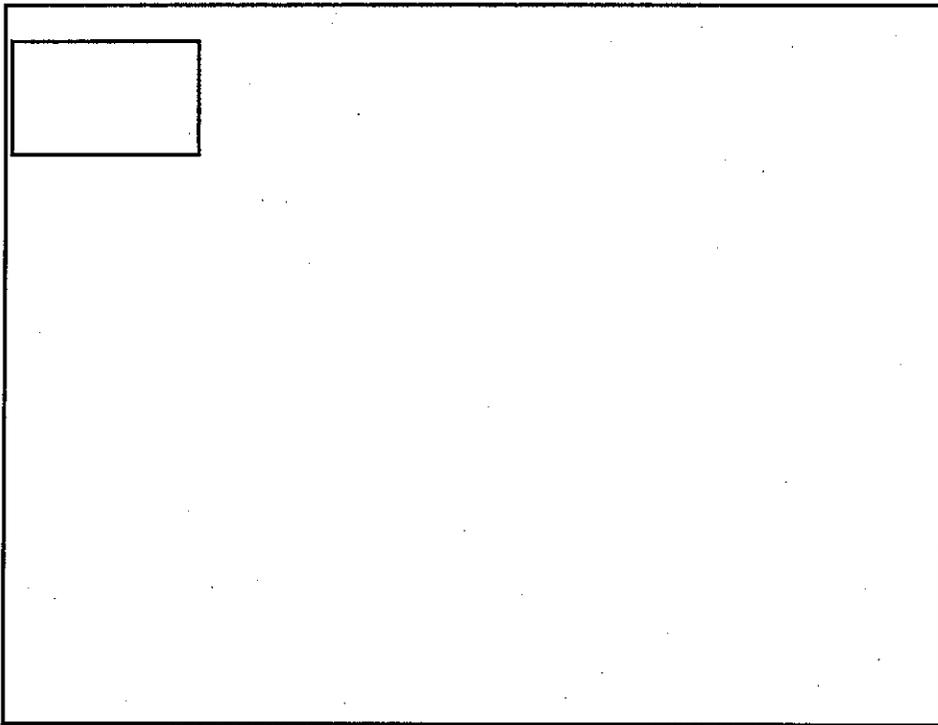


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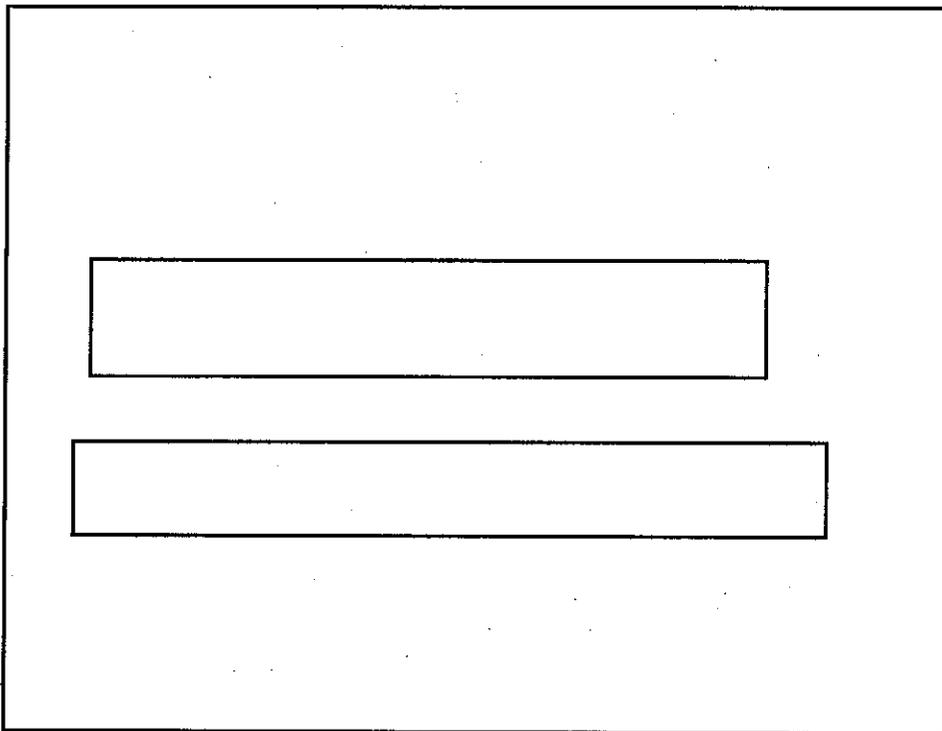


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CELL/OTD 004302

	For Official Use Only	
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	For Official Use Only	
[Redacted Content]		

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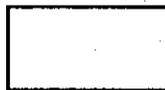
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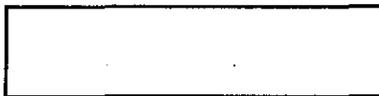
CELL/OTD 004304



For Official Use Only



## Website Demonstration



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For Official Use Only

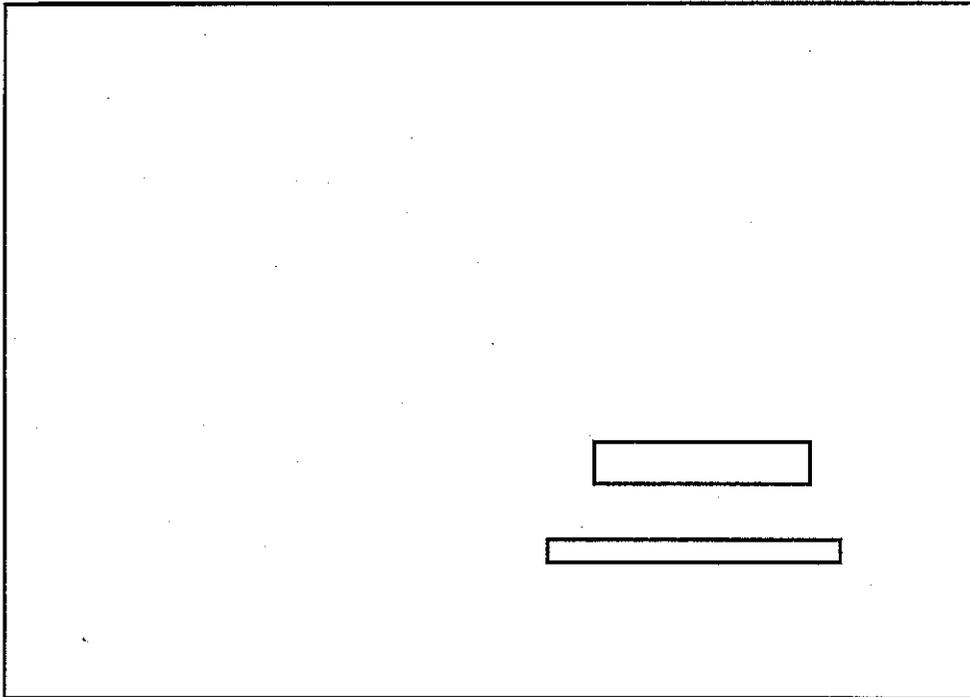
Effective Tools

Web Site

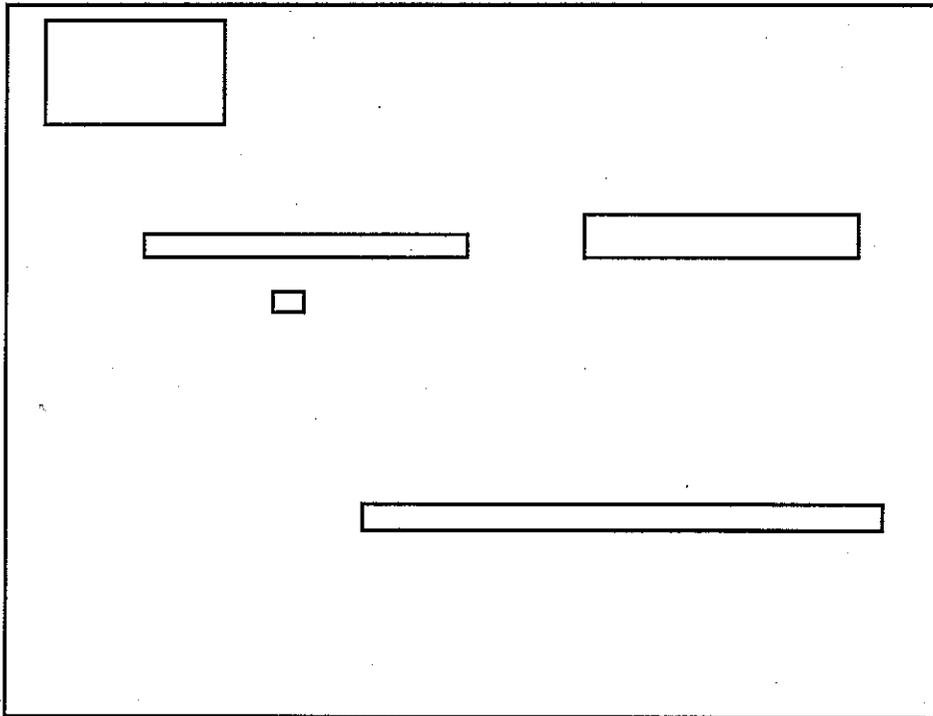
- PURPOSE: To provide information, interactive media, 
- ACCESS: 
- URL: 
- NETWORK CLASSIFICATION: Secret

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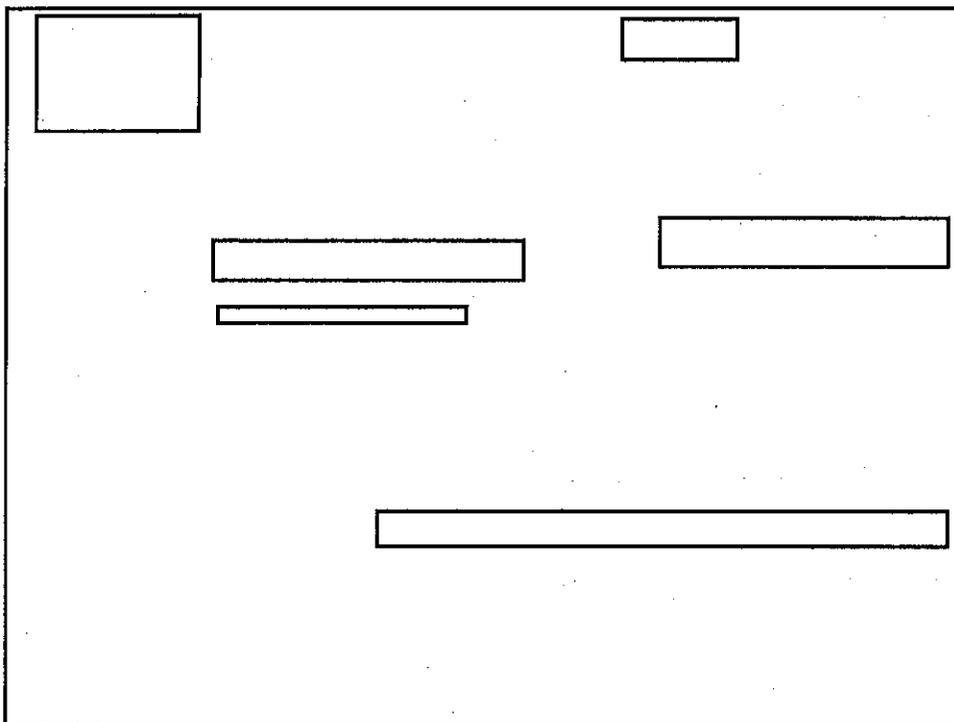
CELL/GTD 004305



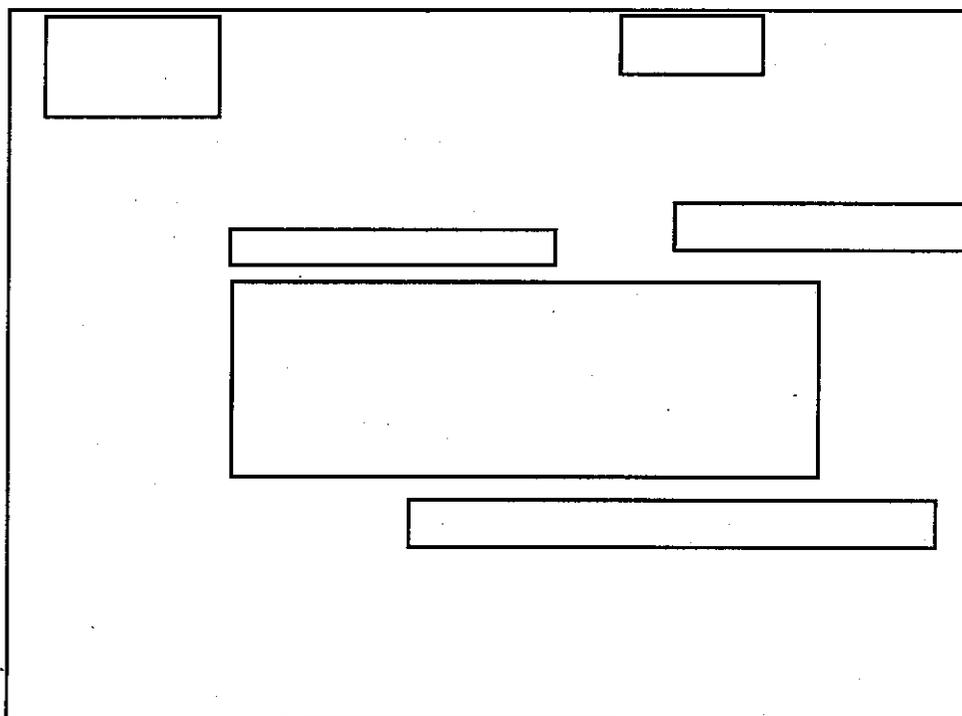
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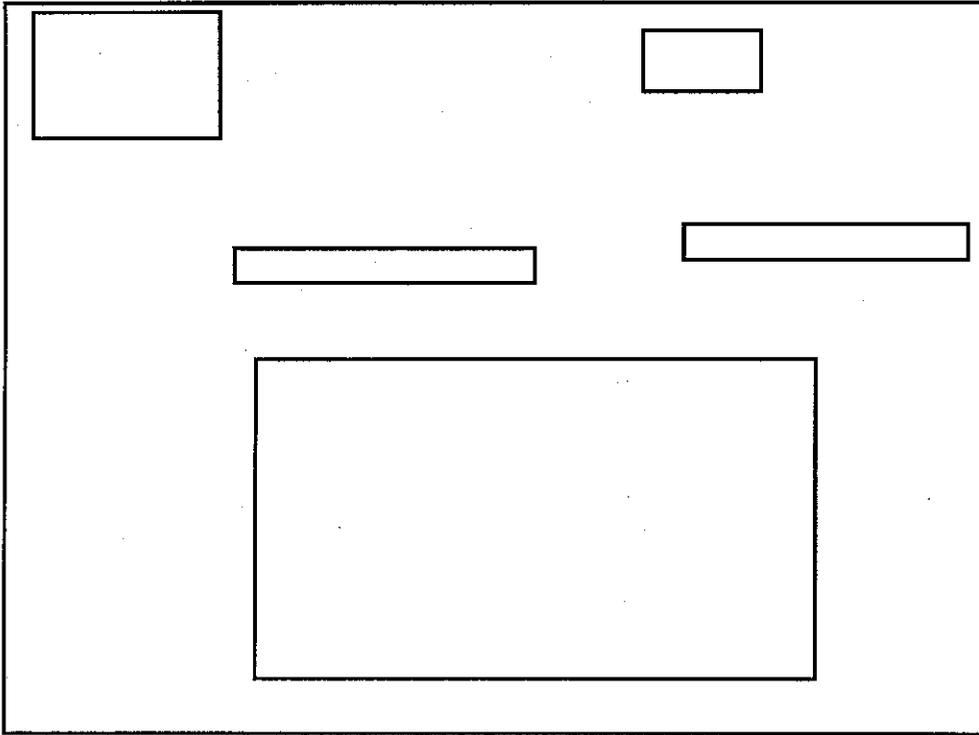
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b7C  
b7E



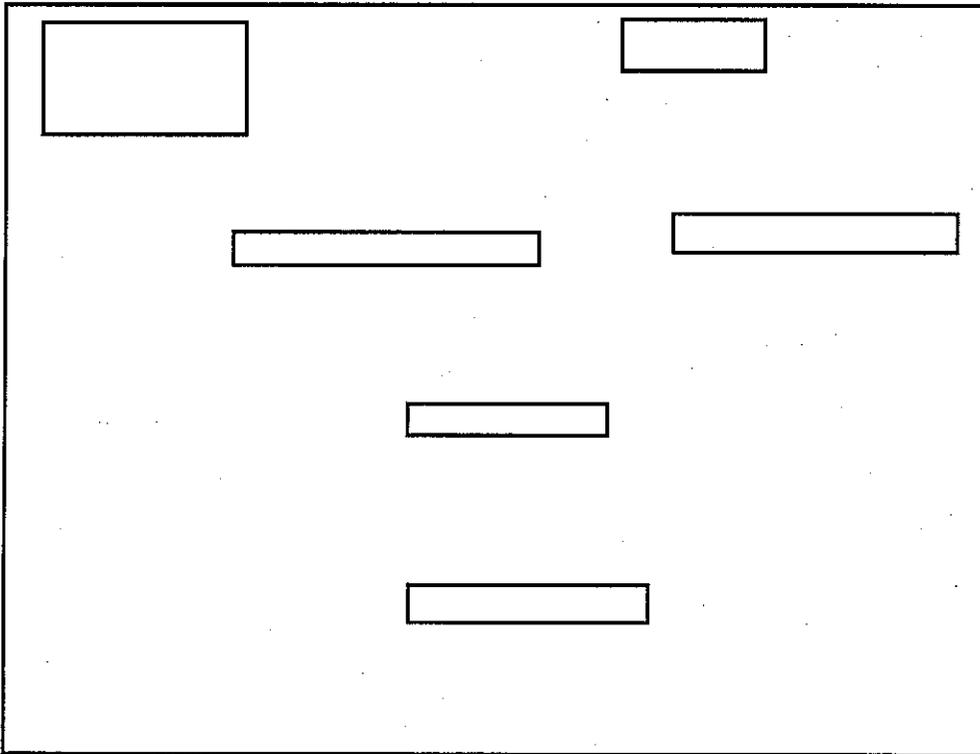
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b6  
b7C  
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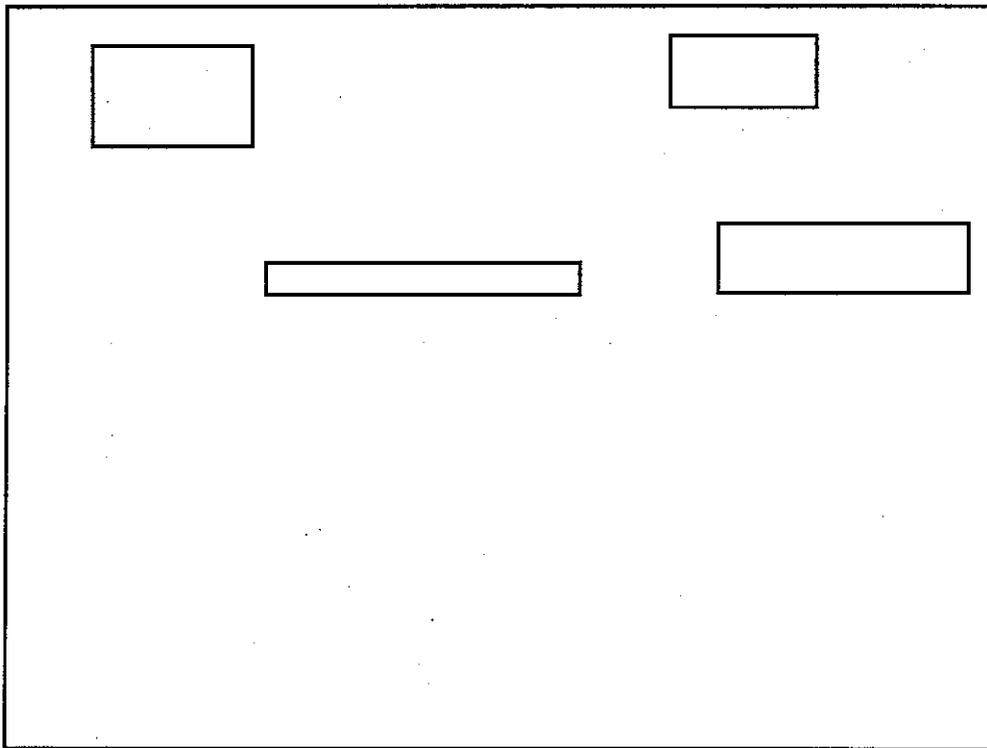


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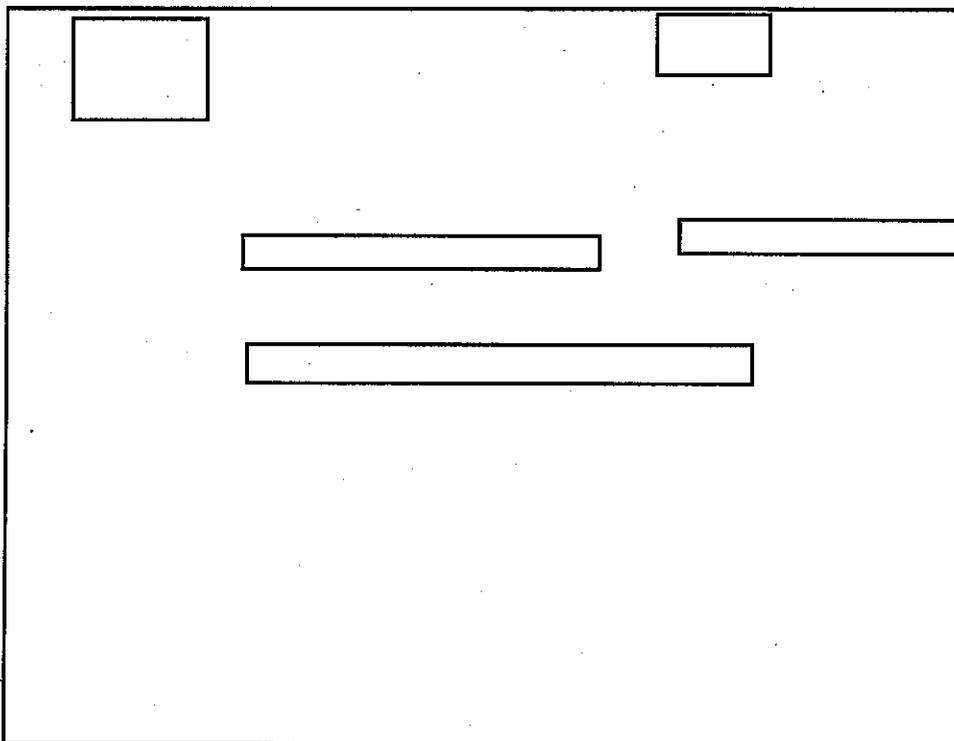


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CELL/OTD 004389



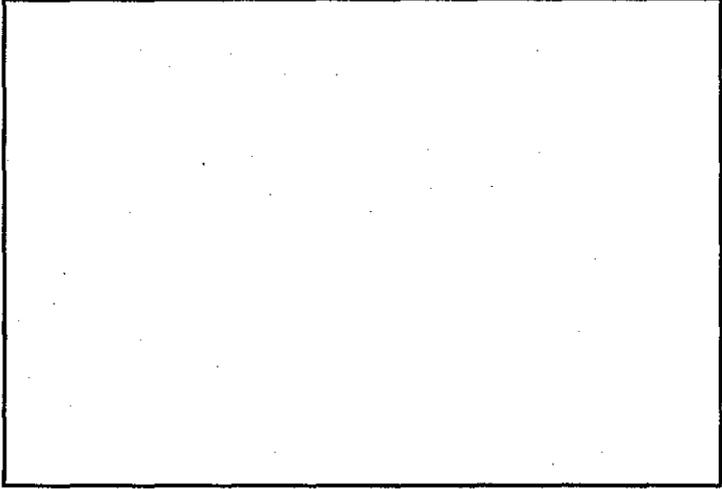
	For Official Use Only
<h1>CONOPS</h1>	
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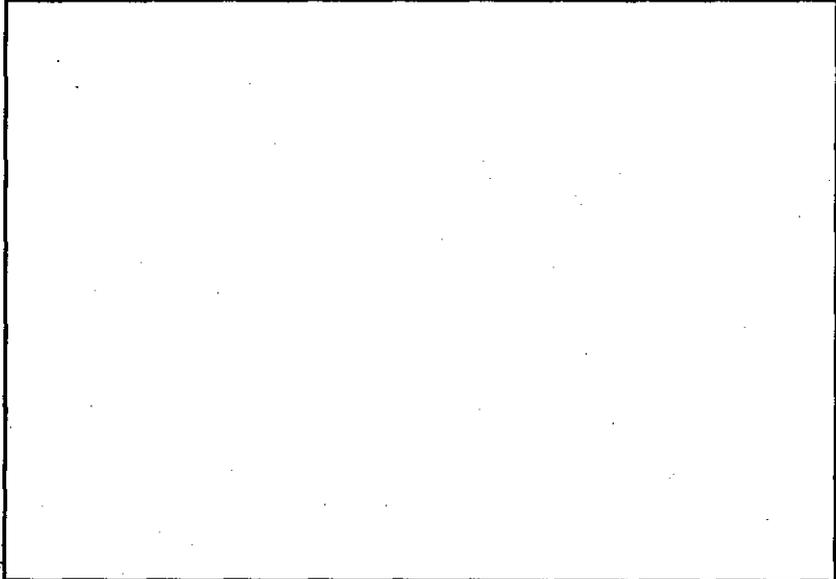
	For Official Use Only	Surveillance Players
<div style="border: 1px solid black; width: 100%; height: 100%; position: relative;"><div style="border: 1px solid black; width: 80px; height: 40px; position: absolute; top: 10px; left: 10px;"></div></div>		

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CELL/OTD 004310

	For Official Use Only b7E	5 Scenarios
		

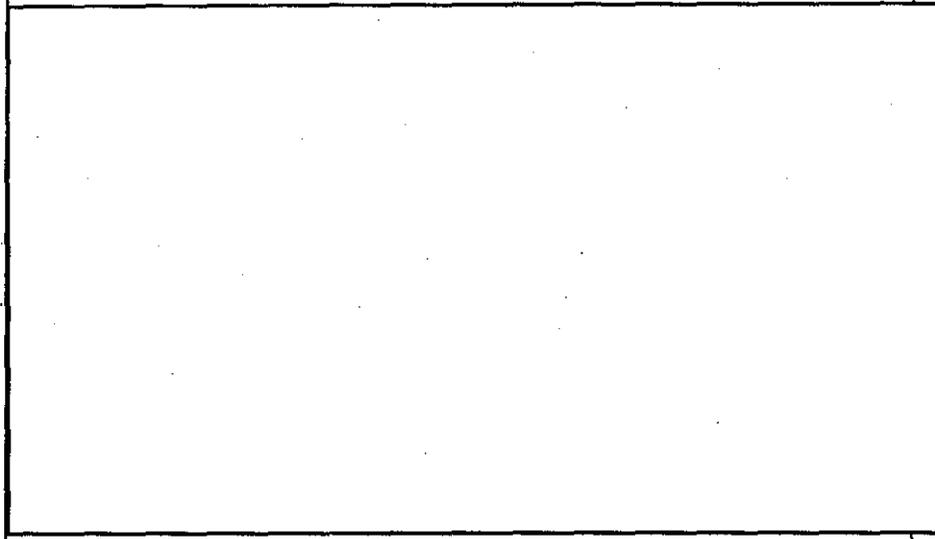
b3  
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	For Official Use Only Scenario 1	
		

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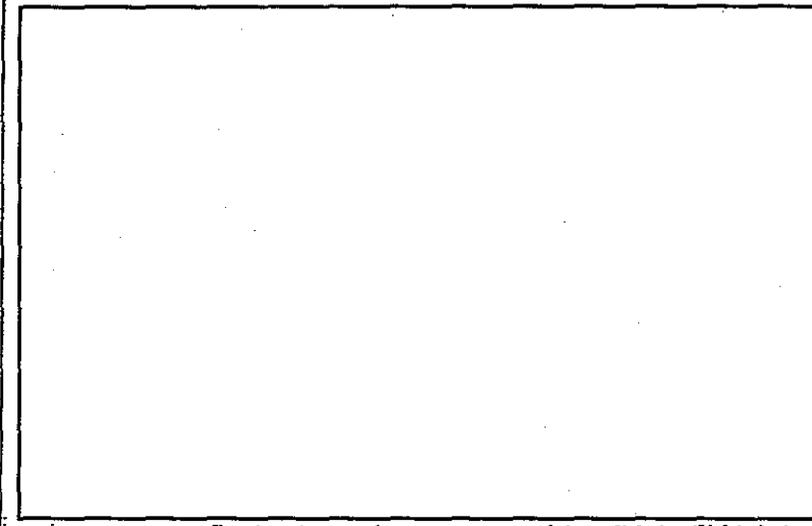
**Scenario 1**



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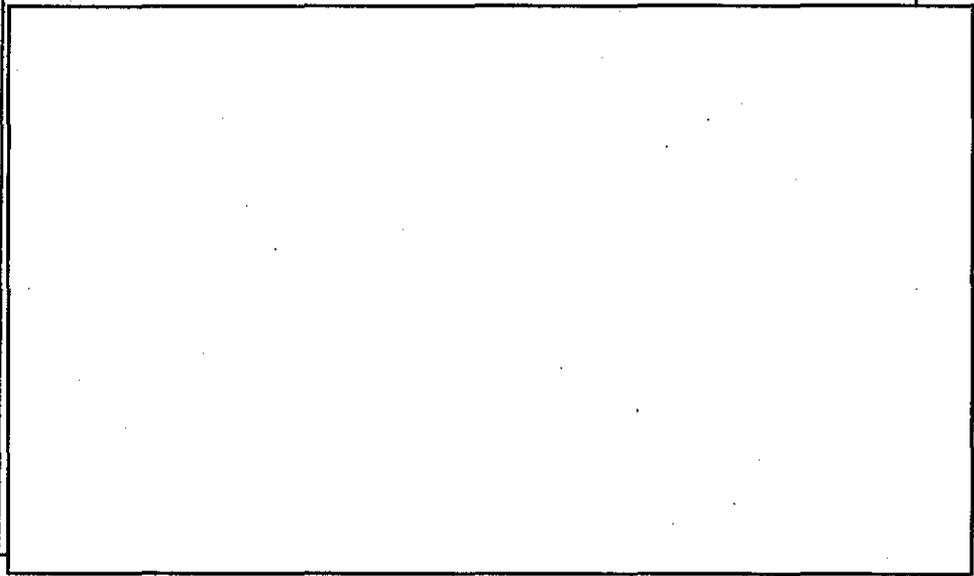
**Scenario 2**



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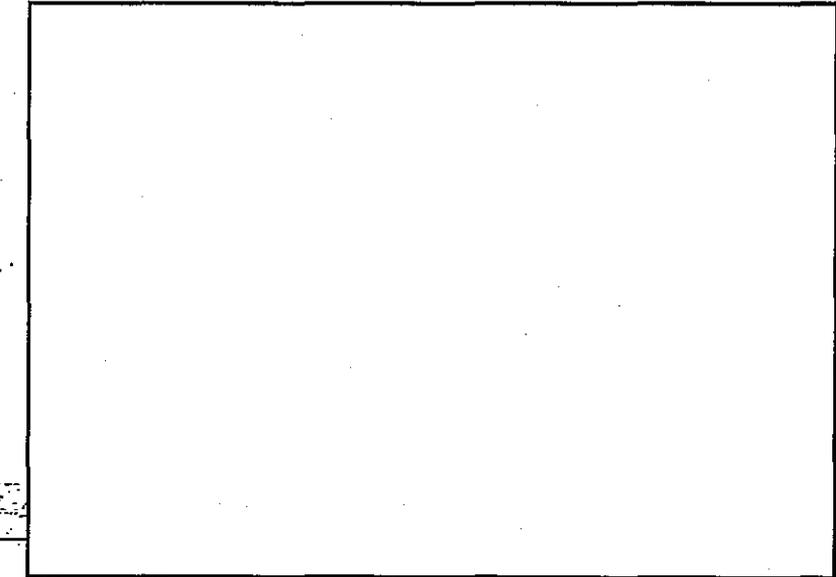
Scenario 2



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Scenario 3

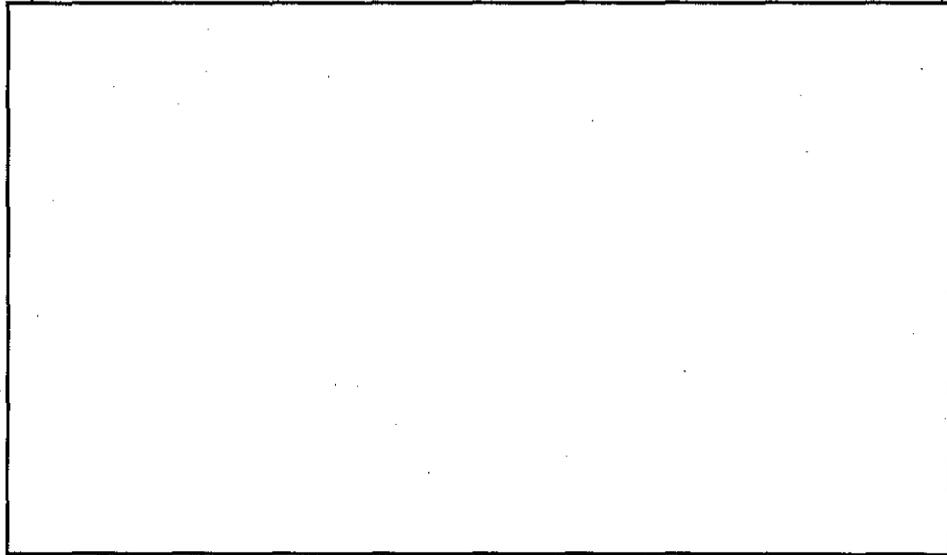


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For Official Use Only

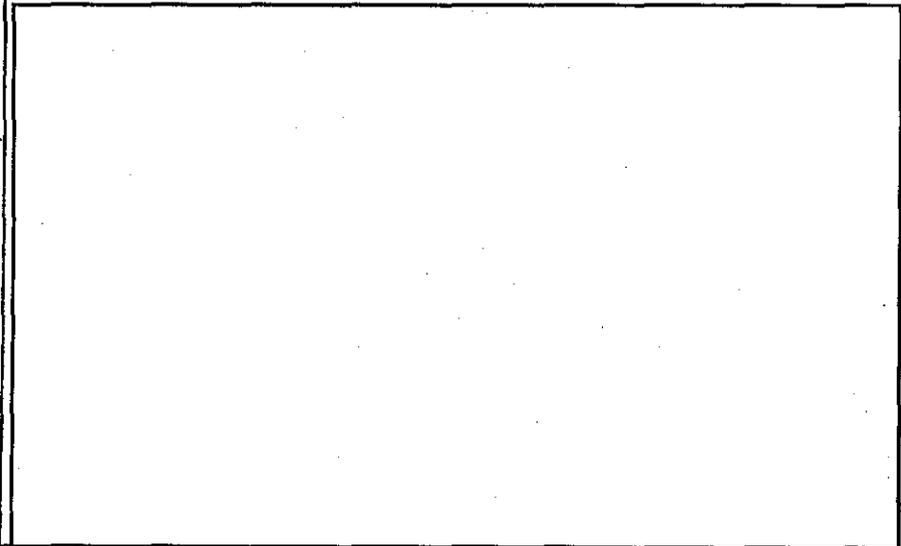
**Scenario 3**



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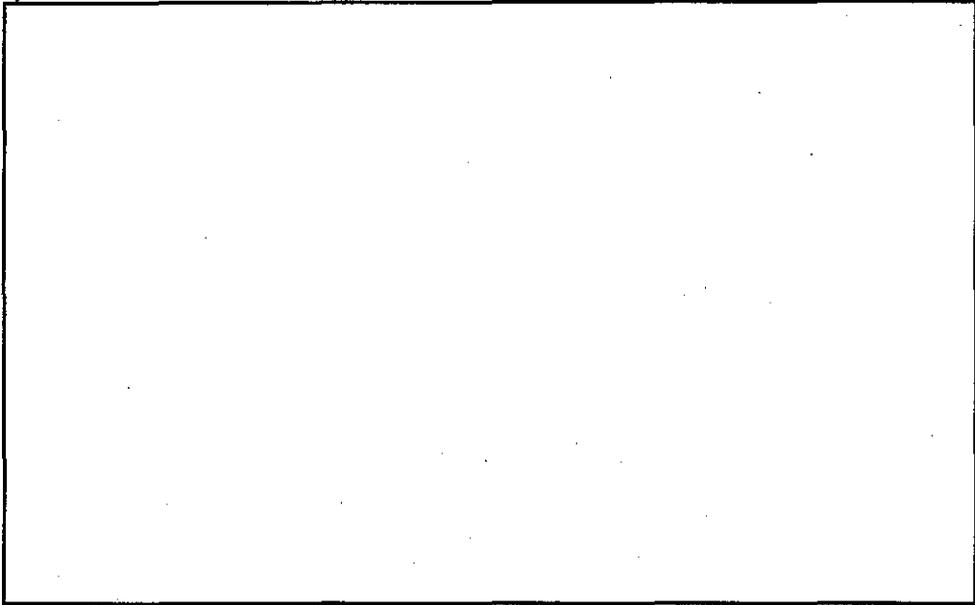
**Scenario 4**



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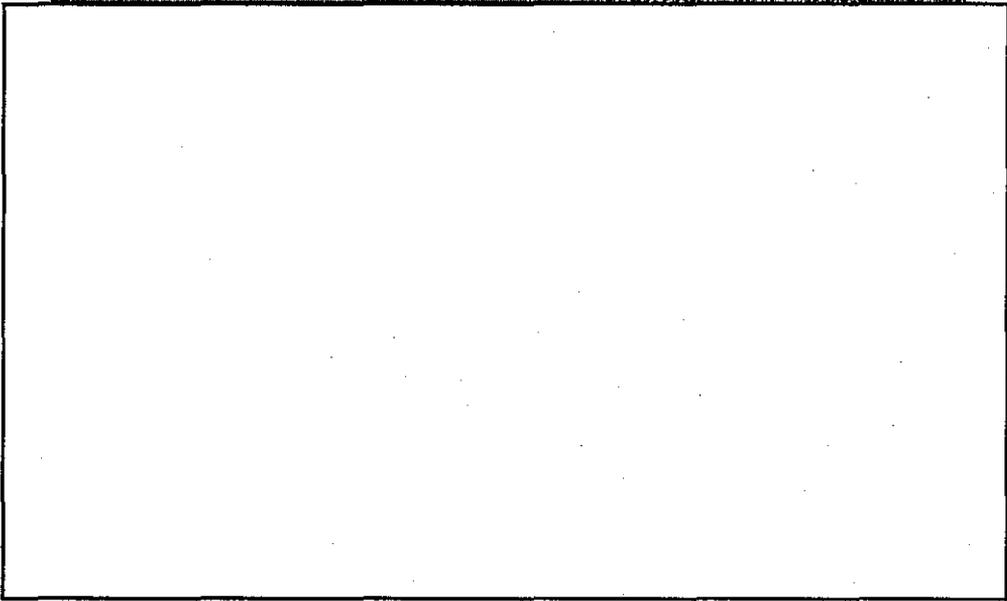
**Scenario 4**



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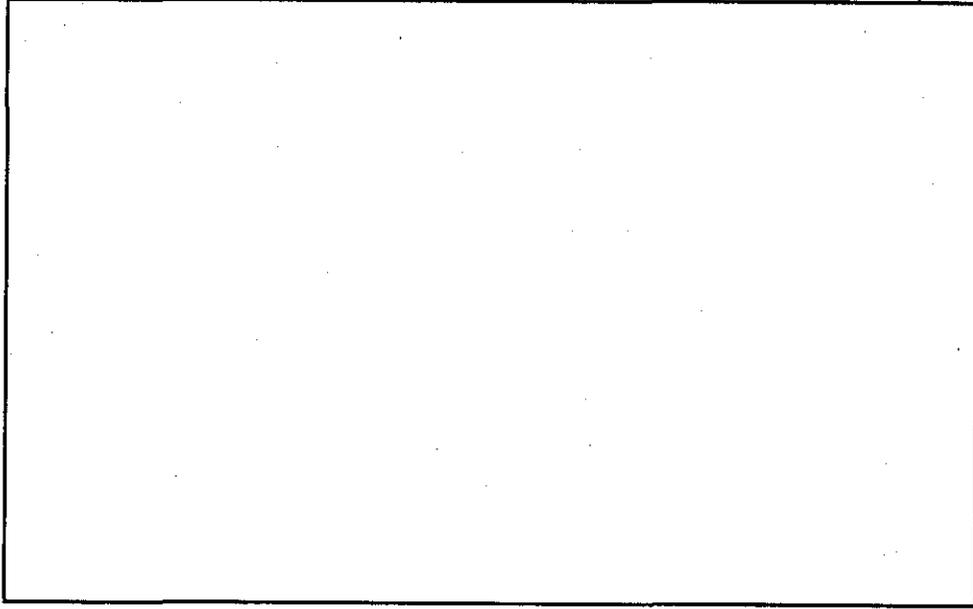
**Scenario 5 - CALFA Surveillance**



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**Scenario 5 - CALFA Surveillance**



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## Legal

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## Legal Guidelines

- Legal considerations await the OGC's review, analysis, and approval
- Additional Legal and Policy issues being identified
- Updates and reference material will be posted on the  web site
- Any specific legal question, guidance, or advice should be referred to your CDC and/or to the OGC

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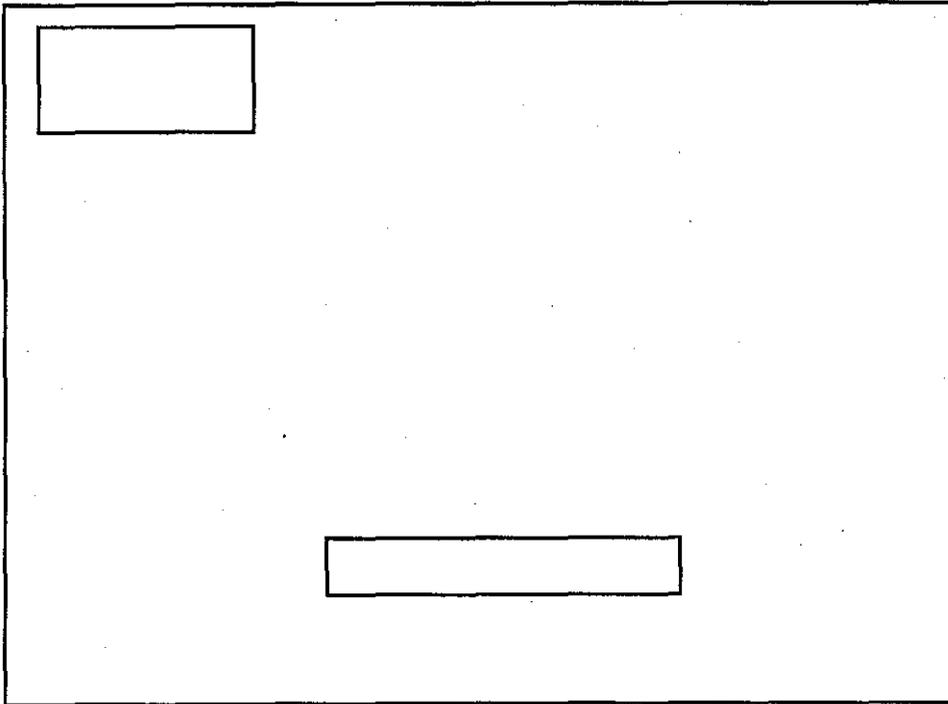
Preliminary Issues

- Pen Registers
- Title III
- Search Warrants
- Disclosure and Evidentiary Considerations
- Safety Issues

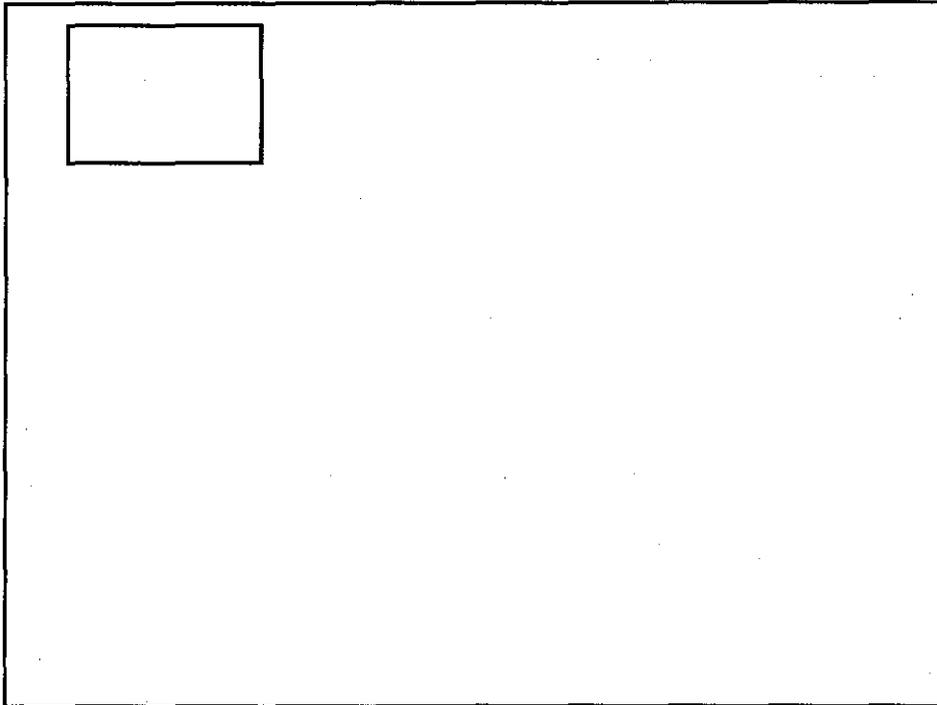
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### Historical Timeline

#### 1970's

- Mobile Telephony concept specified by ATT's Bell Labs

#### 1980's

- 1<sup>st</sup> generation technology (analog) deployed

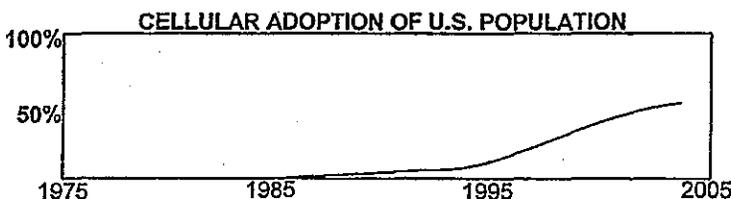
#### 1990's

- Mass adoption
- 2<sup>nd</sup> generation technology (digital)
- 2.5 generation (faster "dial-up" speeds)

#### 2000's

- Business enterprise integration
- 3<sup>rd</sup> generation (high speed data, apps)
- Future???

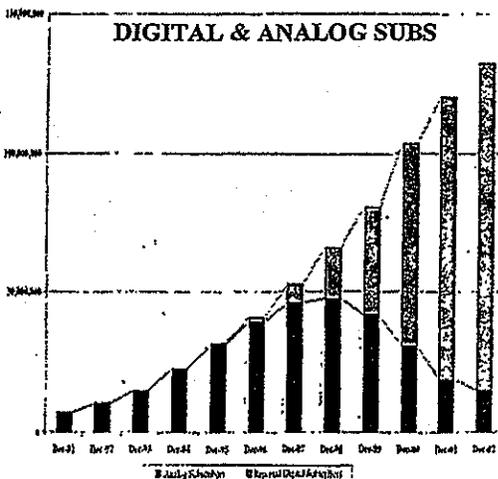
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### US Cellular Market

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- 151.8 million subscribers (11/03)
- 147,719 Base-stations (6/03)
- More mobile than landline usage (10/02)
- Digital systems replacing Analog systems



Source: CTIA

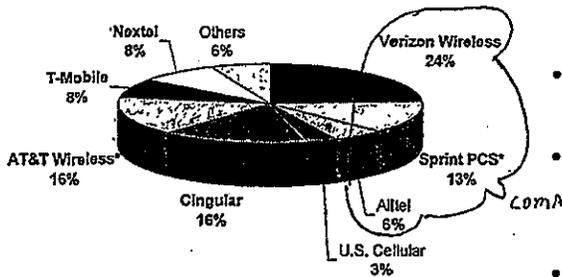
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# Service Provider Landscape

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## U.S. Carrier Market Share (2003Q3)



\*Includes affiliates and resale

- Market dominated by 6 nationwide providers
- Few regional independents
- Others franchised or aligned with 'Big 6'
- Expect further consolidation

Source: The Yankee Group,

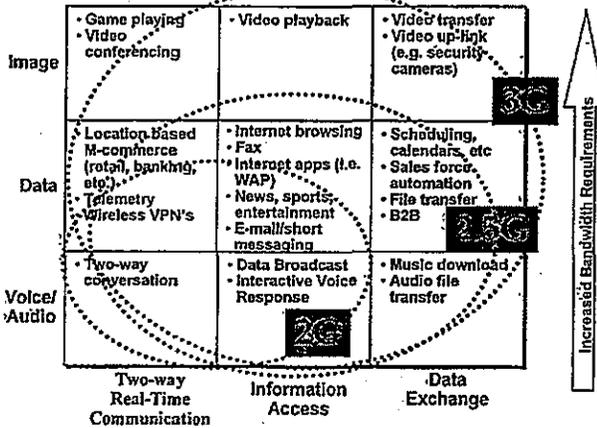
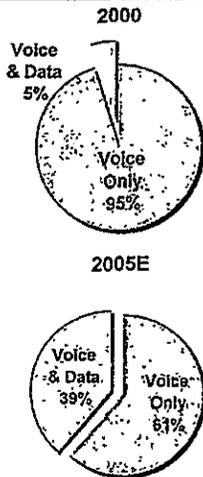


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# Evolution of Wireless Services

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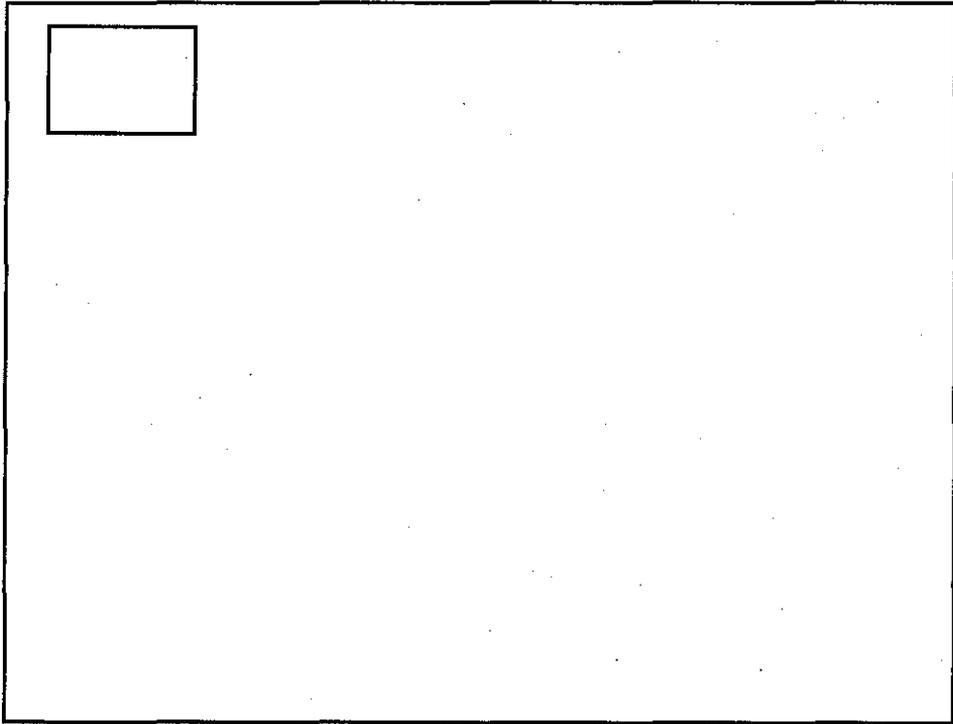


Source: Merrill Lynch,

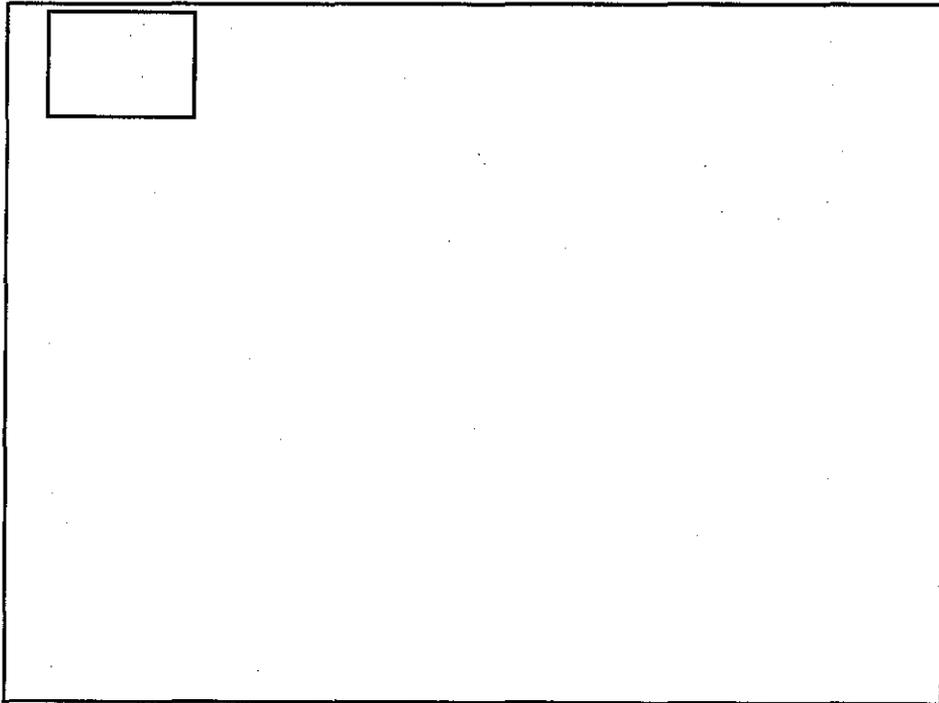


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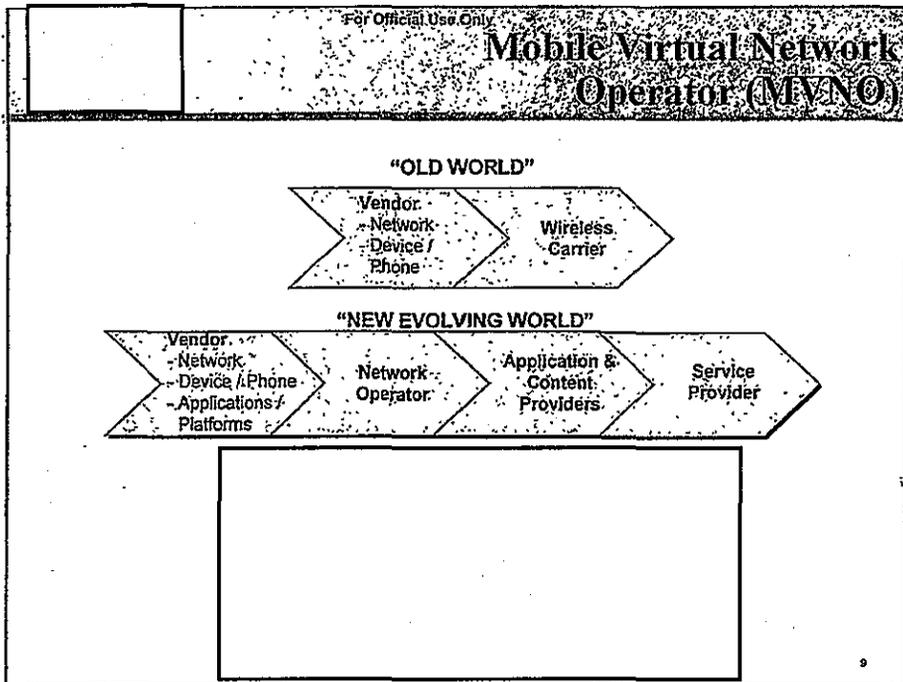


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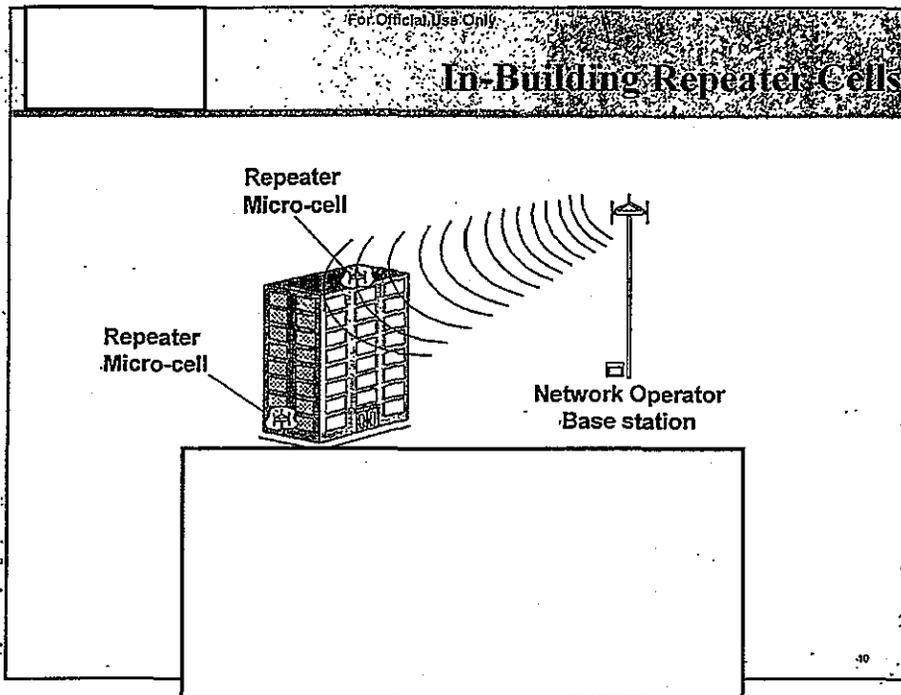


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	For Official Use Only	<b>Push-to-Talk</b>
<b>NORMAL VOICE DUTY CYCLES</b>		
Forward Channel	X	CONTINUOUS TRANSMIT
Reverse Channel	X	CONTINUOUS TRANSMIT
<b>PUSH TO TALK DUTY CYCLES</b>		
Forward Channel	[ ] [ ] [ ]	
Reverse Channel	[ ] [ ] [ ]	
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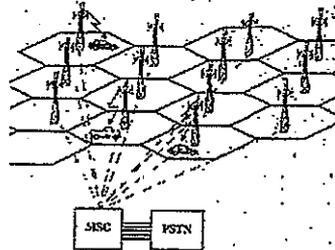
# Introduction to the Mobile Phone Systems

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## Overview: Cellular System Concept

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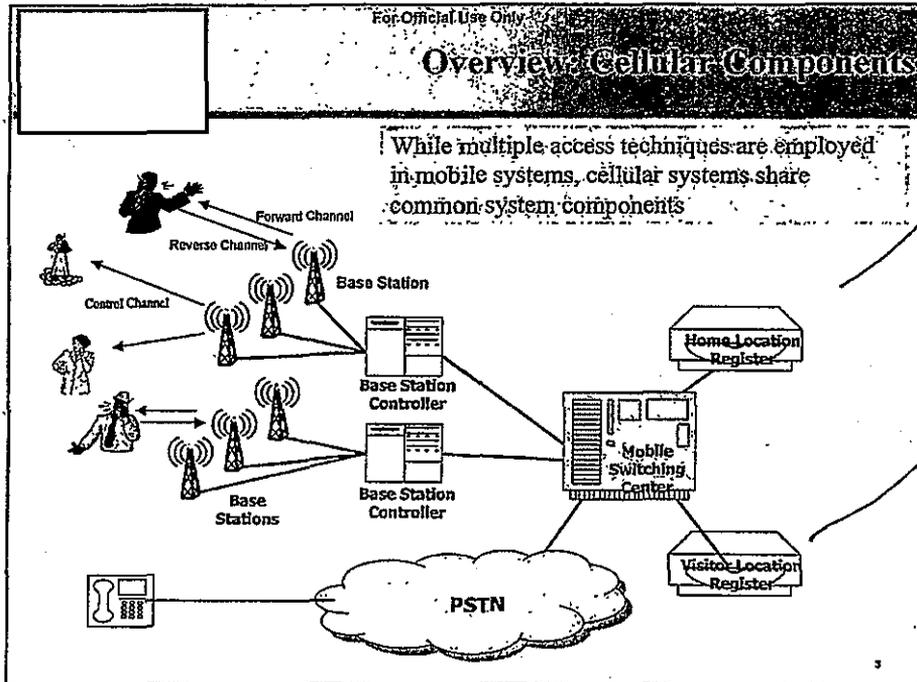
- Cellular System allows the reuse of spectrum within a region by employing centrally connected base stations
- Each base station wirelessly connects to multiple mobiles within a designated geographic area (cell)
- Base stations connect to a Mobile Switching Center (MSC) and then to the Public Switched Telephone Network (PSTN)
- The system allows
  - Reuse of spectrum in regions, increasing the capacity of the system over a trunked radio system
  - Mobility of users in the system without loss of connectivity



# Overview: Cellular Components

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While multiple access techniques are employed in mobile systems, cellular systems share common system components



# Cellular System Frequency Bands

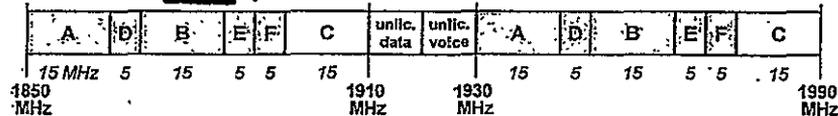
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Communication between the mobiles and the network occur in two frequency bands in the United States\*

## Cellular Spectrum Allocations in North America



## PCS Spectrum Allocations in North America

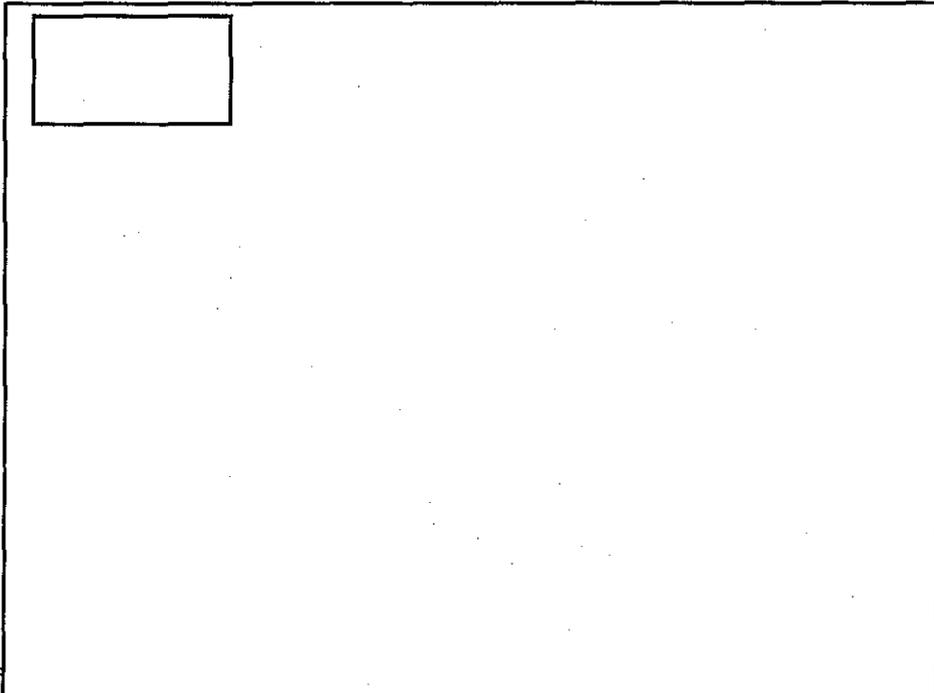
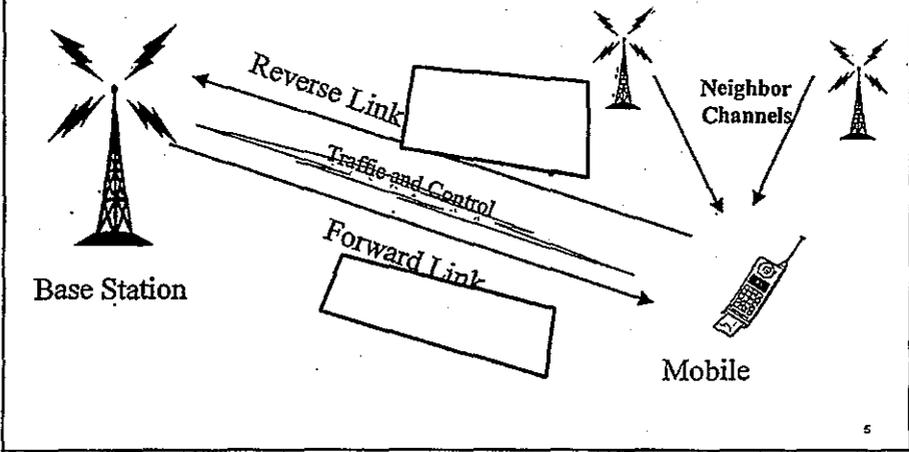


\* Nextel's iDEN solution operates in the 806-824MHz and 851-869MHz frequency bands.

# Cellular System RF Channels

Cellular and PCS frequency bands are subdivided into Radio Frequency (RF) channels for communication between base stations and mobiles

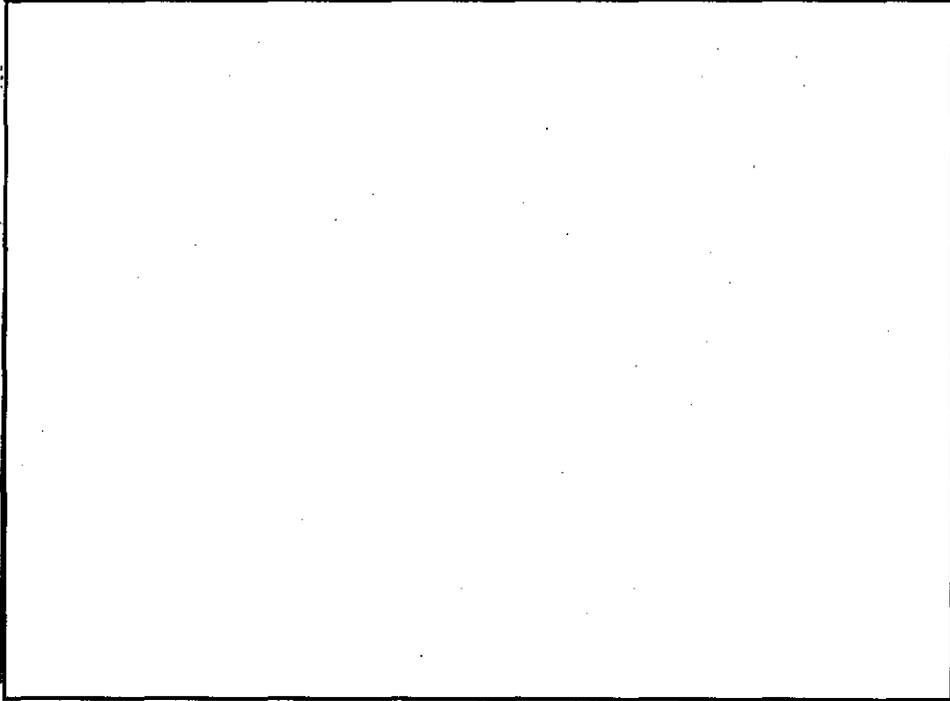
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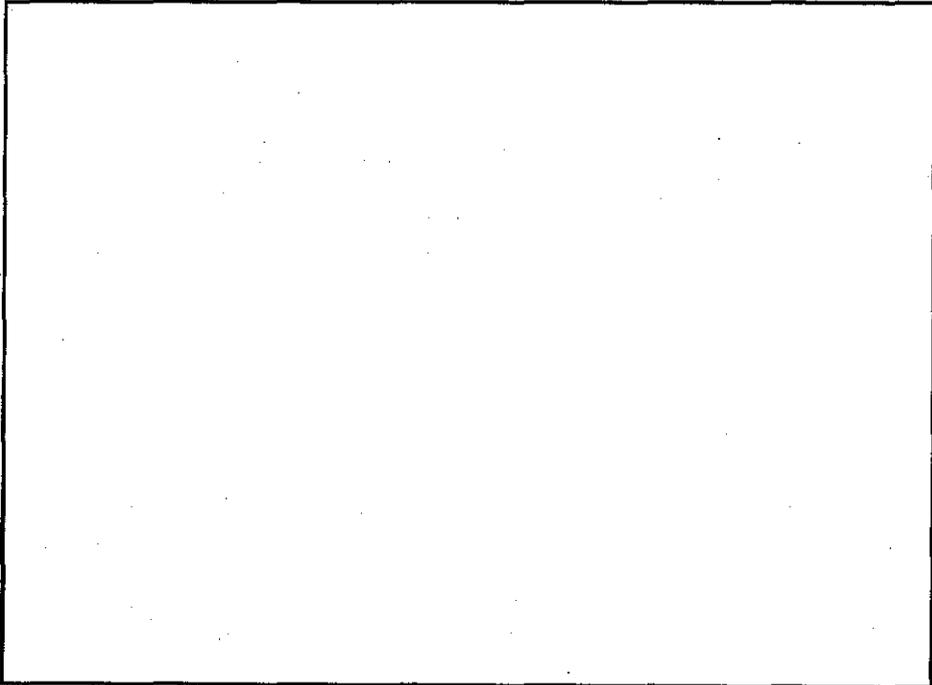
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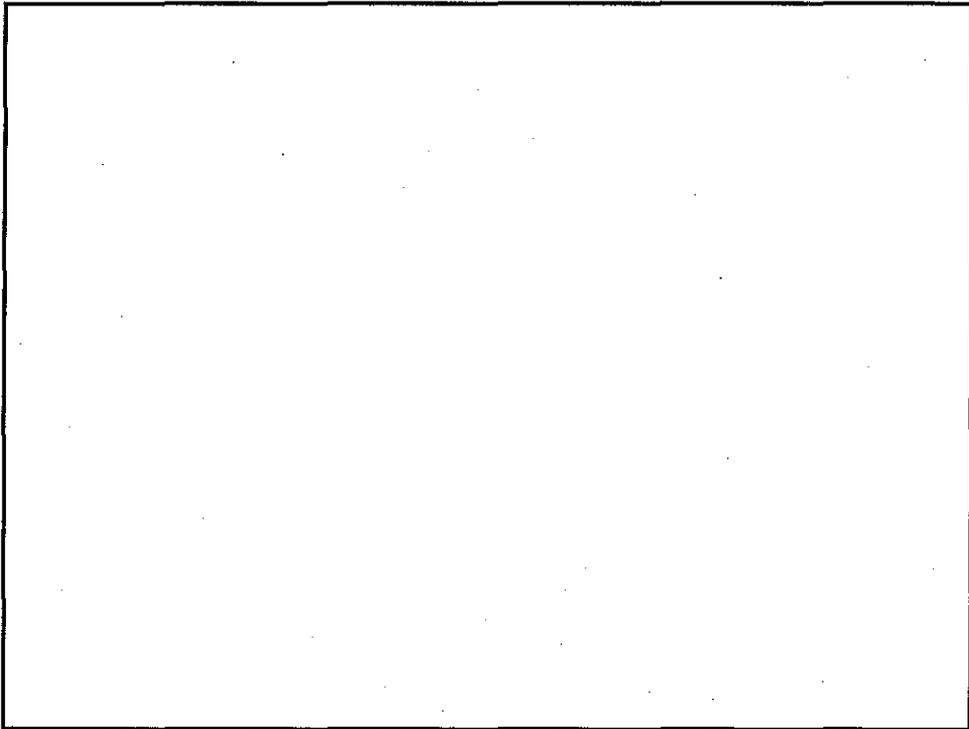


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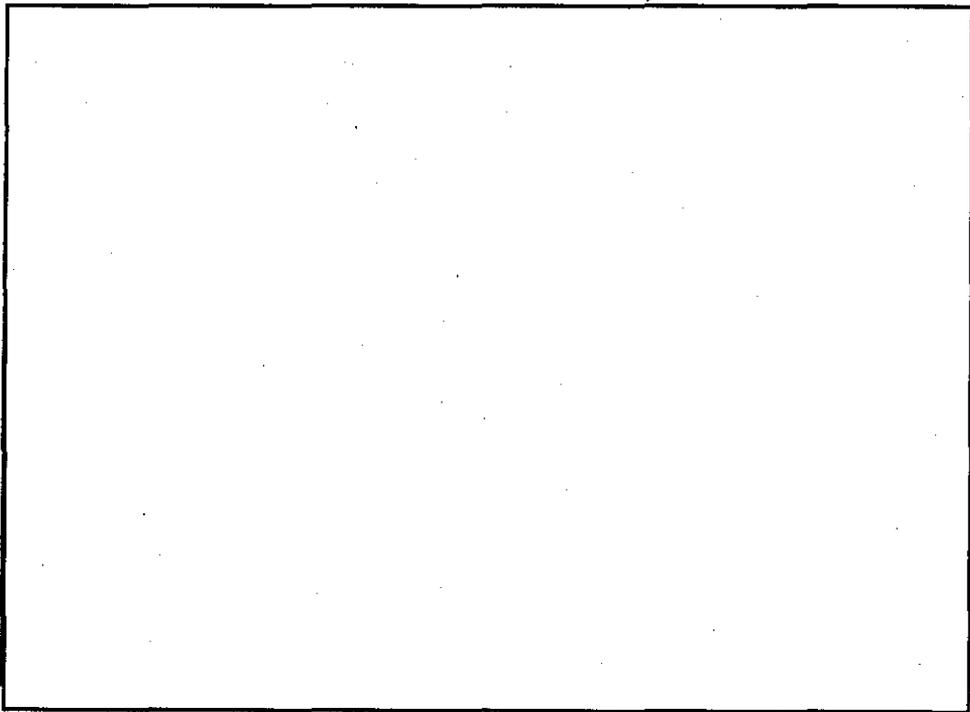


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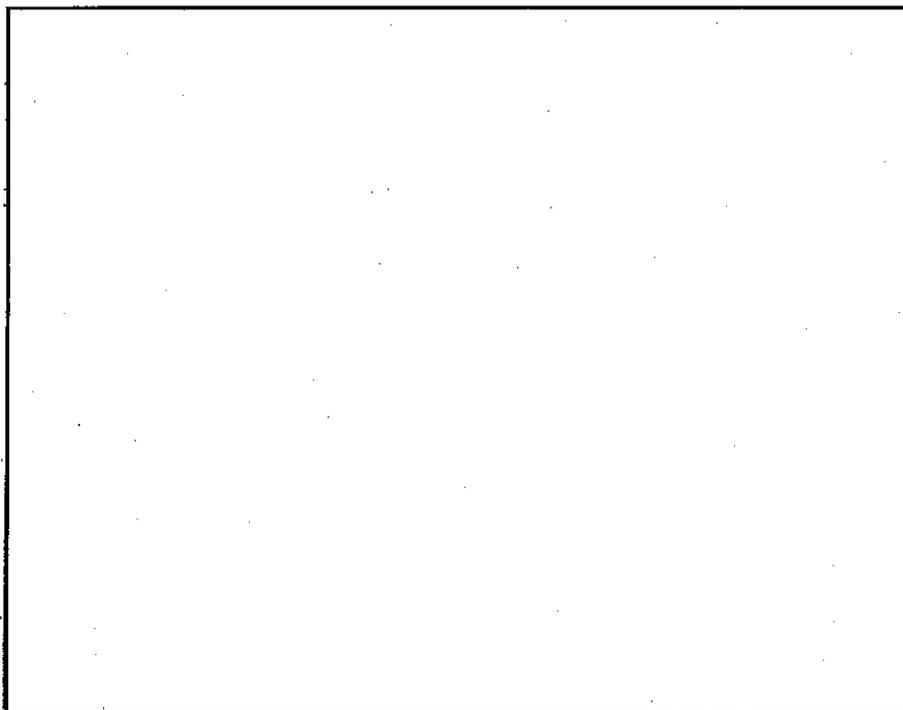


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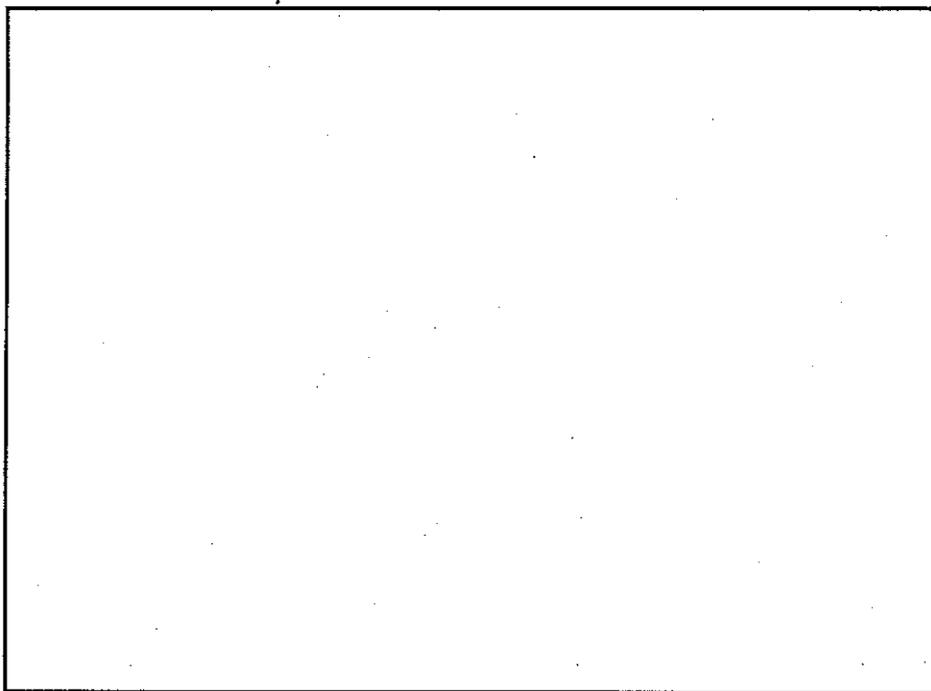


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CELL/GTB 004329

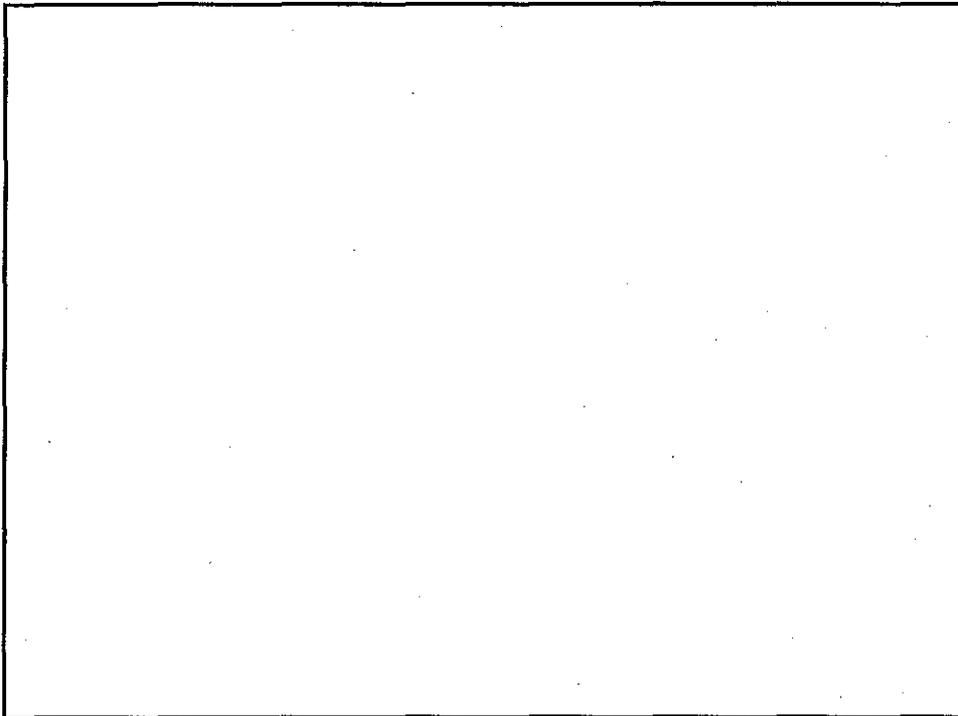


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	Access Technologies										
<p>There are currently five cellular technologies in use in the U.S. market</p> <table><tr><td>- AMPS</td><td>(10% Market Share)</td></tr><tr><td>- TDMA (IS-136)</td><td>(20%* Market Share)</td></tr><tr><td>- GSM</td><td>(17% Market Share)</td></tr><tr><td>- CDMA</td><td>(46% Market Share)</td></tr><tr><td>- iDEN</td><td>(7% Market Share)</td></tr></table>		- AMPS	(10% Market Share)	- TDMA (IS-136)	(20%* Market Share)	- GSM	(17% Market Share)	- CDMA	(46% Market Share)	- iDEN	(7% Market Share)
- AMPS	(10% Market Share)										
- TDMA (IS-136)	(20%* Market Share)										
- GSM	(17% Market Share)										
- CDMA	(46% Market Share)										
- iDEN	(7% Market Share)										
<p>* Carriers are converting TDMA systems to GSM</p>											

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## AMPS (Advanced Mobile Phone Service)

- Background
  - Initial U.S. cellular system
  - Reached feasible system capacity limits in mid 90s
- Limitations
  - Provides basic voice service
  - No additional services: Digital Messaging, Location based services, etc.

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## TDMA (Time Division Multiple Access)

- Background
  - Technology was the first commercially available digital cellular technology in U.S.
  - Provides increased system capacity and advanced digital services
- Technology



- U.S. TDMA systems being replaced with GSM systems



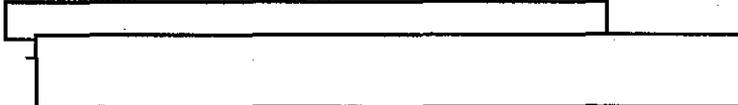
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# GSM (Global System for Mobile Communications)

- Background
  - Technology first introduced in Europe and migrated to the U.S.
  - Provides increased system capacity, advanced digital services and ability to offer seamless international mobile operation
- Technology
  - Multiplex users by assigning unique operating time slots in shared frequency channels

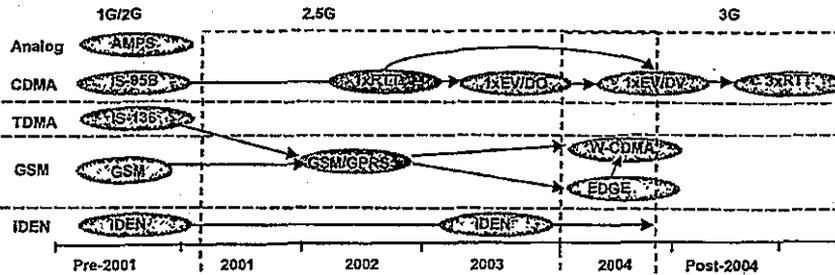


- GSM is the most widely adopted cellular technology in the world

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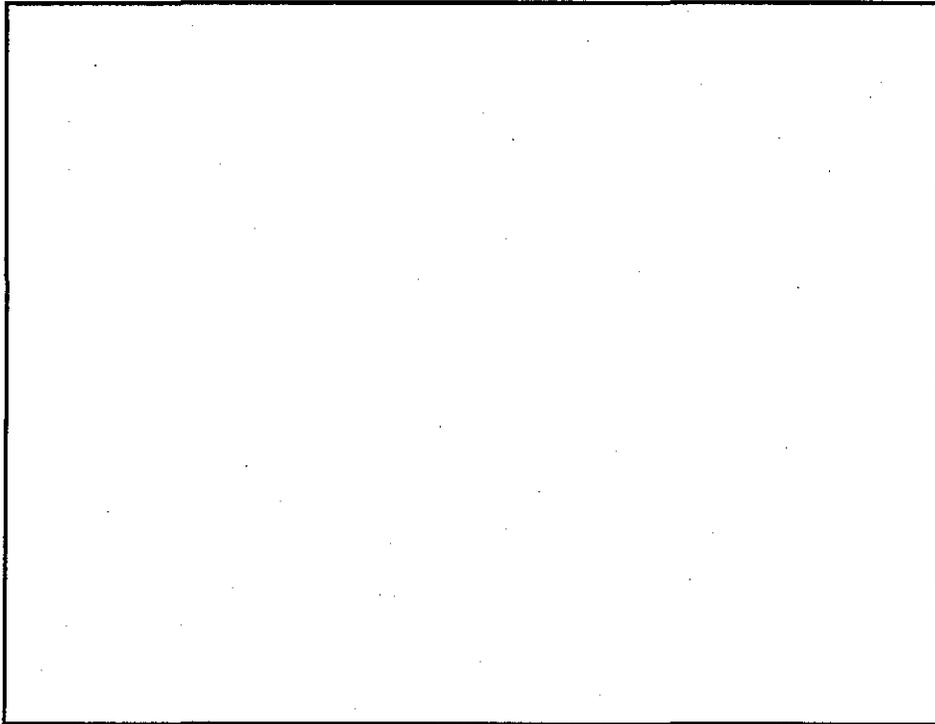
# General Trends

- CDMA and GSM phones will dominate near term U.S. market
  - 83 percent of the market (with conversion of IS-136 systems to GSM)
- 3G Systems will be CDMA based
- Carriers will continue to develop enhanced features

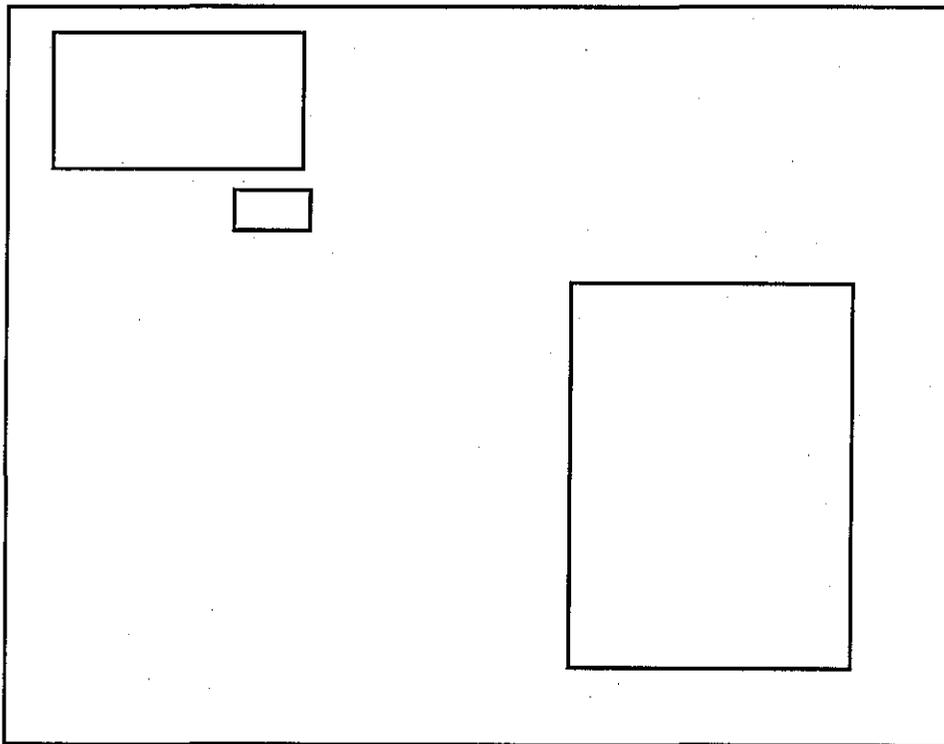


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Intro to

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Introduction to

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Goal -- Learn operation of equipment in simulated case environment

- Agenda
  - EQUIPMENT SET UP [Redacted]
  - SCENARIO #1 [Redacted]
  - SCENARIO #2 [Redacted]
  - SCENARIO #3 [Redacted]

[Redacted]

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	For Official Use Only	Scenario #1
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	For Official Use Only	Scenario #2
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Scenario #3

- Set up

- Location

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Intro to

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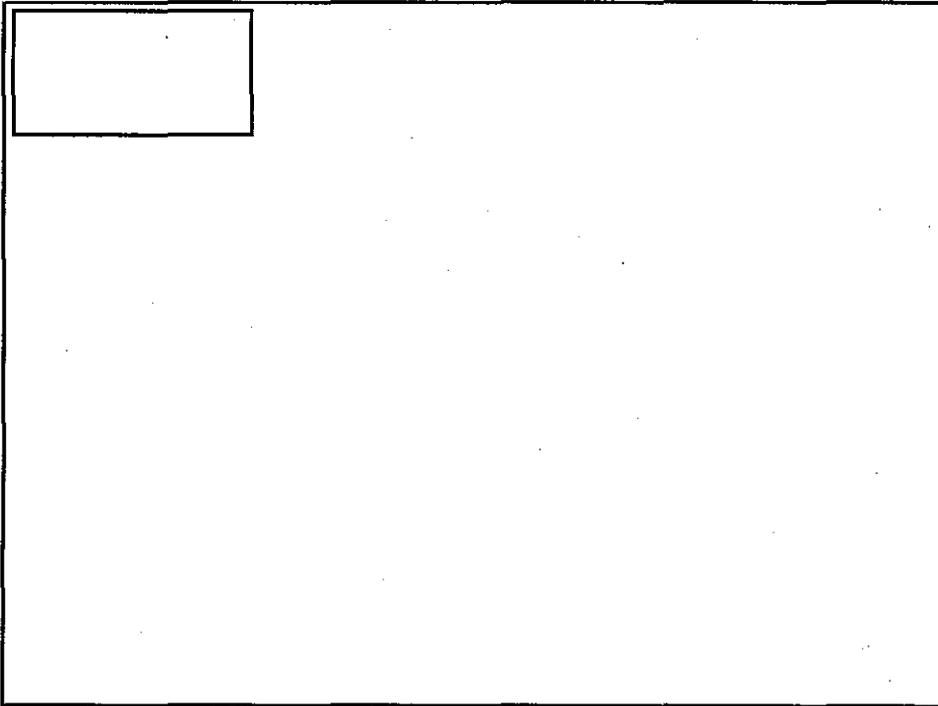
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Introduction to

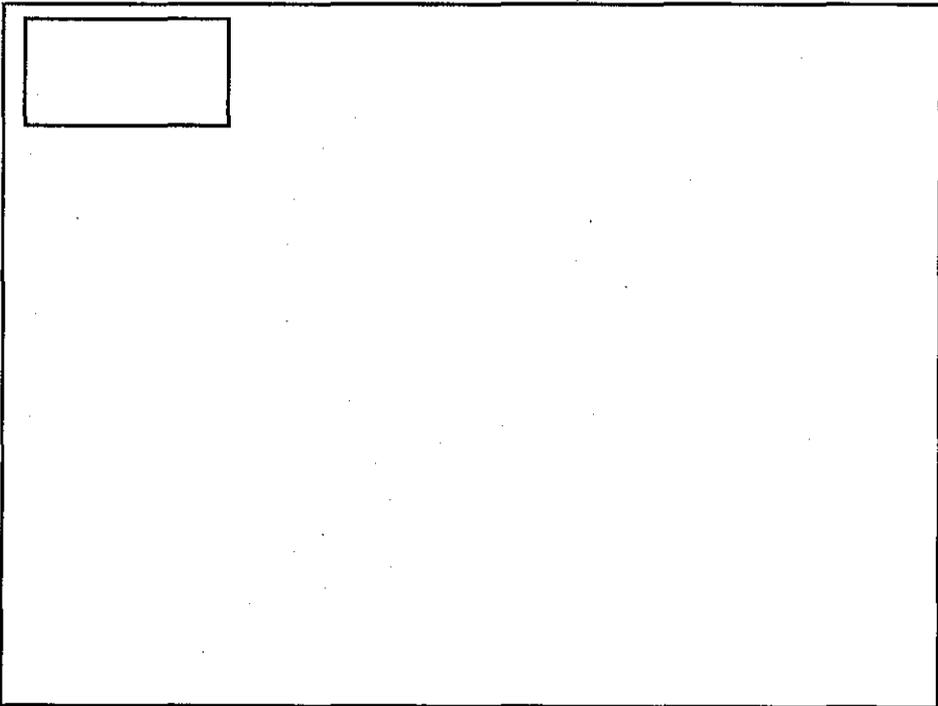
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[Redacted] Lab Exercises

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- Goal - [Redacted]
- Agenda [Redacted]

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[Redacted] Field Exercises

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Goal - [Redacted]

- Agenda

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	For Official Use Only	Scenario #1
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- Set up
- Location

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	For Official Use Only	Scenario #2
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- Set up
- Location

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[Redacted] Lab Exercises

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- Goal - [Redacted]
- Agenda  
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[Redacted] Field Exercises

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Goal - [Redacted]

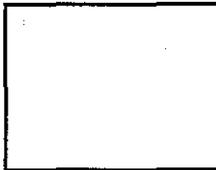
- Agenda

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### Scenario #3

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- Set up

- Location

3



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### Scenario #4

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- Set up

- Location

4

CELL/OTD 004398





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# Useful Acronyms

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## ACRONYMS

- AMPS** – Advanced Mobile Phone Service
- BSC** – Base Station Controller
- BSID** – Base Station ID
- BTS** – Base Transceiver Station
- CDMA** – Code Division Multiple Access
- DSSS** – Direct Sequence Spread Spectrum
- DF** – Direction Finding
- ESN** – Electronic Serial Number
- FDMA** – Frequency Division Multiple Access
- GSM** – Global Standard for Mobile Communication
- HLR** – Home Location Register
- IDEN** – Integrated Dispatch Enhanced Network
- IMEI** – International Mobile Equipment Identity
- IMSI** – International Mobile Subscriber Identity
- MIN** – Mobile Identification Number
- MSC/MTSO** – Mobile Switching Center/ Mobile Telephone Switching Office
- NID** – Network Identification

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**ACI on ins Conf d**

PA - Power Amplifier  
PCS - Personal Communications Service  
PN - Psuedo Noise  
PSTN - Public Switched Telephone Network  
PTT - Push-to-Talk  
RF - Radio Frequency  
SID - System IDentification  
TDMA - Time Division Multiple Access

[Redacted]

TMSI - Temporary Mobile Subscriber Identity  
VLR - Visitor Location Register

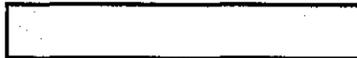
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# Glossary



# Glossary

- Access Channel** – Reverse CDMA channel used by mobile stations for communicating to the base station
- Advanced Mobile Phone Service (AMPS)** – First U. S. cellular standard; based on analog FDMA technology
- Base [Transceiver] Station (BTS)** – Fixed radio site communicating with mobiles within a geographical area
- Base Station Controller (BSC)** – Interface between base stations and the switch which conveys switch commands to the appropriate base station and base station requests to the switch
- Camped** – When a mobile is not on a call but actively monitoring the paging or control channel
- Cellular Phone** – Portable radio used to communicate wirelessly in a network
- Code Division Multiple Access (CDMA)** – Spread spectrum technology which uses codes to differentiate signals sharing the same frequencies
- Collection** – Assimilating and storing of intercepted identity information and call content
- Control Channel** – Radio channel on the forward or reverse link used to send command and requests
- Direct Sequence Spread Spectrum** – Technique employed in US cellular CDMA systems which uses codes shared between sender and receiver to spread transmitted data and send over the air
- Direction Finding (DF)** – A technique used to identify the location of a radio signal

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Glossary Cont'd

**Downlink** - See Forward Link

**Ec/Io** - Ratio (in dB) between the Pilot Channel signal energy and the total interference in the received bandwidth

**Electronic Serial Number (ESN)** - Unique serial number programmed into the memory of a mobile phone by the manufacturer

**Forward Link** - From the base station to the mobile

**Frequency Division Multiple Access (FDMA)** - Multiplexing technique which uses frequency to distinguish users

**Global Standard for Mobile Communications (GSM)** - Cellular technology utilizing TDMA techniques which originated in Europe

**Home Location Register (HLR)** - Database containing mobile subscriber information for locally registered mobiles

**Idle** - See Camped

**Integrated Dispatch Enhanced Network (iDEN)** - Proprietary cellular technology utilized by Nextel

**Intercept** - Reception of communications between a subject and his serving network

**International Mobile Equipment Identity (IMEI)** - Code uniquely identifying the mobile station hardware

**International Mobile Subscriber Identity (IMSI)** - Method of identifying stations in the land mobile service

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Glossary Cont'd

**Handoff** - Transferring communication with a mobile station from one base station to another

[Redacted]

**Long PN Code** - 42-bit pseudo-random code used to uniquely identify CDMA mobile stations on the uplink

**Mobile Identification Number (MIN)** - Telephone number associated with a mobile phone

**Mobile Station** - See Cellular Phone

**Mobile Switching Center (MSC)** - Switch connecting the cellular network to the PSTN which coordinates call routing in a given service area

**Mobile Telephone Switching Office (MTSO)** - See Mobile Switching Center

**Multipath** - Radio signals from the transmitter arriving at the receiver via a number of different paths

**Neighbor Channel** - One of a group of channels that are probable candidates for handoff

**Network Identification (NID)** - Number uniquely identifying a network within a cellular system

**Paging Channel** - Walsh code channel in the CDMA forward channel used for transmission of control information and pages from the base station to the mobile

**Pilot Channel** - Signal transmitted continuously by CDMA base stations allowing mobiles to acquire base station timing and assess signal quality

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## Glossary Cont'd

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**PN Code Offset** – One of 512 time offset versions of the Short PN Code used to identify CDMA base station sectors in a network

**Power Amplifier (PA)** – Provides gain in a transmitter

**Public Switch Telephone Network (PSTN)** – Collection of interconnected voice-oriented public telephone networks

**Radio Frequency (RF)** – Radio signals between 9 kHz-300 GHz

**Registration** – Process by which a mobile station identifies its location and parameters to a base station

**Reverse Link** – From the mobile to the base station

**Short PN Code** – 15-bit pseudo-random code used to uniquely identify CDMA base station sectors in a network

**Short PN Code Offset** – See PN Code Offset

**Sync Channel** – Walsh code channel 32 in the CDMA forward channel which transports the synchronization message to the mobile

**System Identification (SID)** – Number uniquely identifying a cellular system

**Temporary Mobile Station Identity (TMSI)** – Temporary mobile station identification assigned by the base station

**Time Division Multiple Access (TDMA)** – Multiplexing technique which uses frequency and time to distinguish users

**Traffic Channel** – Communicating path between a mobile station and base station used to transport call content and commands

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## Glossary Cont'd

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**Uplink** – See Reverse Link

**Visitor Location Register (VLR)** – Database containing mobile subscriber information for mobiles active in the local system but registered in another cellular system

**Walsh Codes** – 64 orthogonal codes used to define CDMA communication subchannels on the forward link

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# CONOPS Case Studies

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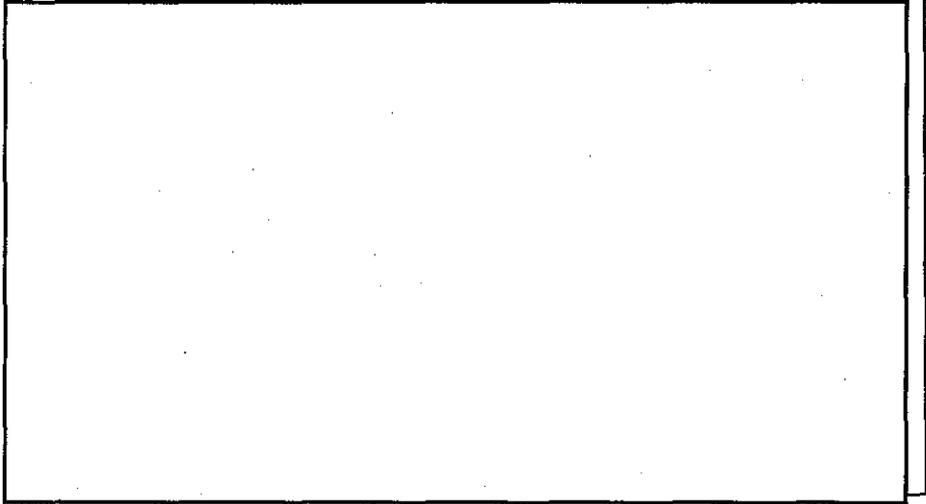
## Recent Case Studies - Sample Case 1

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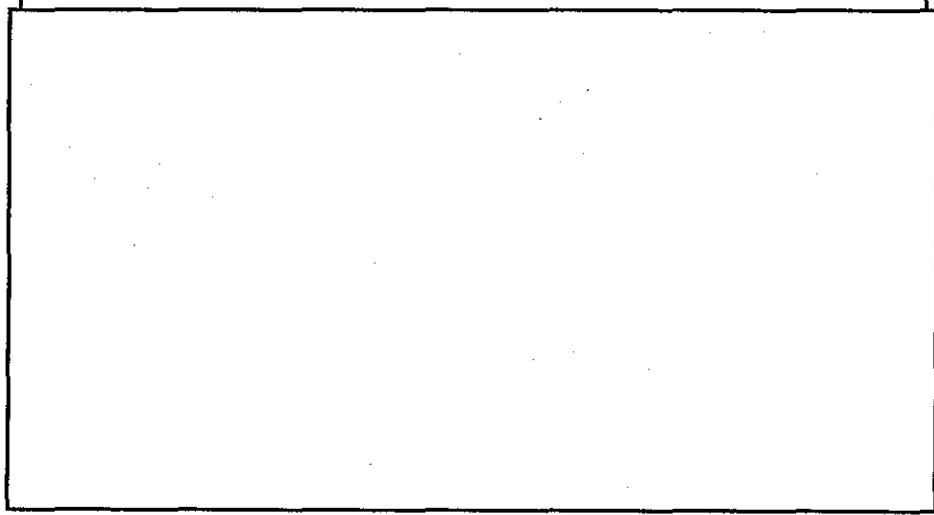
Recent Case Studies - Sample Case 2



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Recent Case Studies - Sample Case 3

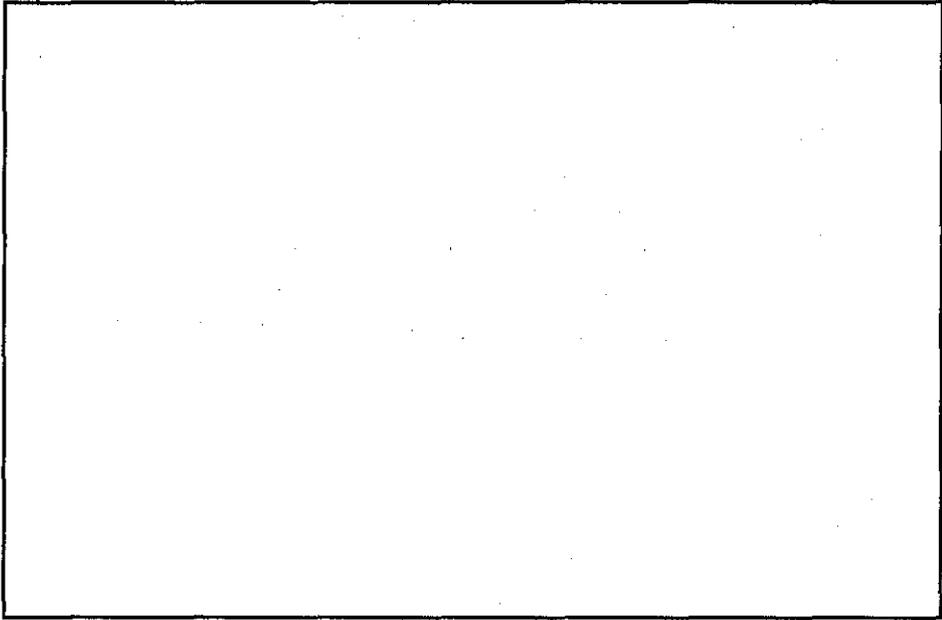


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Recent Case Studies - Sample Case 4



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16-7.3.4 Loan of Electronic Surveillance Equipment (See MIOG, Part 2, 10-9.14 & 10-10.10.)

(1) LOAN OF ELECTRONIC SURVEILLANCE EQUIPMENT TO STATE AND LOCAL LAW ENFORCEMENT AGENCIES.

By Department Order 1945-95, dated January 18, 1995 (replacing Department Order 890-80, dated April 29, 1980), the Attorney General delegated to the Federal Bureau of Investigation the authority to approve loans of electronic surveillance equipment to state and local law enforcement agencies for use in their investigations (i.e., NOT joint FBI investigations). Under this delegation, the loan of such equipment is to be made only in exceptional circumstances and to be consistent with federal and state laws, as well as with state and local law enforcement regulations.

Electronic surveillance equipment is defined as any equipment which would be used in Title 18, USC, Section 2510, et seq. (Title III) - or consensual electronic coverages.

(a) It is the policy of the Department of Justice that loans of electronic surveillance equipment to state and local law enforcement agencies are generally to be discouraged and are to be permitted only:

1. in furtherance of the federal government's interests in the investigation and prosecution of violations of state criminal law that are of federal concern;
2. in compliance with all applicable provisions of federal, state and local law;
3. without interfering with state and local control of state and local law enforcement; and
4. without duplication of other federal programs of assistance to state and local law enforcement.

(b) No request may be granted until the head of the state or local law enforcement agency certifies in writing that the agency:

1. has authority under state and local law to borrow the equipment on the terms required by this Order;
2. has valid legal authority under state and local law to conduct the particular electronic surveillance for which the equipment is requested; and
3. cannot obtain the requested equipment from other law enforcement agencies within the state.

(c) The Director of the FBI or his designee may, at his discretion, grant a request for the loan of electronic surveillance equipment upon receipt of a written request from a state or local law enforcement agency. The formal request must contain a copy of a written opinion of the

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chief legal officer of the state or local government relative to compliance with (b) 1. and (b) 2. above.

(d) The Director of the FBI or his designee shall not grant a request for the loan of electronic surveillance equipment unless the Director or his designee determines that:

1. there is no current need for the equipment within the Bureau;
2. it is in the interest of the United States to facilitate the criminal investigation for which the equipment is needed; and,
3. the agency has previously not violated the terms of any loan of electronic surveillance equipment by the FBI.

(e) Any loan of electronic surveillance equipment shall be made by written agreement between the Director of the Federal Bureau of Investigation or his designee and the state or local law enforcement agency. The agreement shall identify the equipment and state the subject, duration, location, and purpose of the surveillance to be conducted. It shall also include the following provisions:

1. the loan of the equipment is subject to the needs of the Department of Justice, and the equipment must be returned upon request;
2. the loan of the equipment is limited to the duration of the validly authorized surveillance for which it is requested, and in any event not to exceed 90 days;
3. the equipment may be used only for the validly authorized surveillance for which it was requested;
4. the agency will not permit any other person or governmental entity to use the equipment;
5. the agency may disclose electronic surveillance equipment, information concerning it, or its installation or use only with the consent of the Director of the FBI or his designee and subject to the nondisclosure provisions set forth in 28 C.F.R. 1622, 1624, and 1626;
6. the agency will not use the electronic surveillance equipment outside the United States or under circumstances where there is reason to believe that the equipment may be taken outside of the United States, without the approval of the Director of the FBI or his designee; and,
7. the agency will reimburse the United States for all loss or damage to the equipment. Any dispute over the amount of loss or damage will be resolved by the Director of the FBI or his designee, and this resolution will be final. The Director of the FBI or his designee may agree to any other terms consistent with the above stipulations.

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(f) When the head of the state or local law enforcement agency represents to the Director or his designee that an emergency situation and need for electronic surveillance equipment exist and that the requesting agency is authorized under state law to conduct emergency electronic surveillance in such circumstances, and specifies the provision of state law upon which he is proceeding, the Director or his designee may grant the emergency request. The information required to be submitted by the head of the law enforcement agency in (b) and (c) must be submitted to the Director or his designee within three days of the day on which the loan is made.

(g) The Director of the FBI, pursuant to Attorney General Department Order 1945-95, dated January 18, 1995, has delegated his authority to permit [redacted] [redacted] on a case-by-case basis, to assist in the installation and operation of electronic surveillance equipment. Such delegated authority requires the concurrent approval from the Section Chief of the appropriate Criminal Investigative Division section having oversight over the investigative program involved; the Electronic Surveillance Technology Section Chief, Laboratory Division; and the Office of the General Counsel. If such technical assistance is approved, the state or local court orders (where required) should specifically include the court's authorization for FBI assistance in the state and local electronic surveillance endeavor. Without such approval, no FBI personnel may install the equipment or participate in the surveillance. This restriction does not prohibit maintenance and repair of the equipment when not installed.

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(h) The Director of the FBI will retain all requests for electronic surveillance equipment by state and local law enforcement agencies. The Director will report to the Assistant Attorney General, Criminal Division, on October 1 and April 1 of each year on the duration and results of all loans made pursuant to the order.

(i) The Director of the FBI, pursuant to Attorney General Department Order 1945-95, dated January 18, 1995, has delegated his authority to approve loans of electronic surveillance equipment upon written request from a state or local law enforcement agency. Such delegated authority requires the concurrent approval of the Section Chief of the appropriate Criminal Investigative Division section having oversight over the investigative program involved and the Electronic Surveillance Technology Section Chief, Laboratory Division. Where requests involve installation or operation of technical equipment by FBI [redacted] [redacted] approval by the Office of the General Counsel is also required.

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(j) The FBI field division must advise FBIHQ when requesting approval to loan electronic surveillance equipment (be it either a routine or an emergency request) whether there is a current need for equipment within the division; whether, in the SAC's opinion, it is within the interests of the United States to loan the requested equipment in the specific criminal investigation; and, whether the agency involved has previously violated the terms of any loan of electronic surveillance equipment by the FBI.

(k) Routine requests should be by electronic communication (EC) to FBIHQ, directed to the Electronic Surveillance Technology Section, Laboratory Division, and to the appropriate Criminal Investigative Division section having oversight over the investigative

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program involved, and should enclose both a written request from the head of the local or state law enforcement agency and the written opinion of the chief legal officer of the local or state government. Emergency requests should be by telephone, confirmed by EC, and followed by an EC, enclosing the necessary documents.

(2) THE USE OF FBI ELECTRONIC SURVEILLANCE EQUIPMENT IN JOINT CASES WHERE STATE AND LOCAL LAW ENFORCEMENT AGENCIES OBTAINED AUTHORITY FOR ITS USE (SEE MIOG, Part 2, 10-10.3 (8).)

(a) A JOINT CASE, for purposes of this section, is an investigation in which there exists significant FBI interest in the subject or subjects of a local investigation and substantial FBI investigative resources have been utilized and/or will be utilized in the planned investigation with the local agency.

(b) FBIHQ authority MUST be obtained prior to any use of FBI electronic surveillance equipment or personnel in furtherance of any order or authority obtained by state or local law enforcement agencies. Should approval be granted for such use, the pertinent local or state order or authority MUST contain specific language authorizing FBI participation and specifying whether the assistance is for installation, monitoring, or whatever is required.

(c) In requesting FBIHQ authority, the field office is to set forth the following information:

1. A synopsis of the investigation conducted to date by FBI and the local agency involved, to include the date the FBI case was opened, as well as when the joint investigation was initiated.

2. the specific SAC comments as to the value of the assistance to the FBI investigation and extent of federal control over local electronic surveillance.

3. the exact nature of equipment to be utilized and technical assistance required, and whether the equipment is on hand in the requesting division.

4. the specific comments of the [REDACTED] as to the ability of the local agency to properly utilize technical equipment requested.

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5. that the local agency has valid legal authority under state or local law to conduct the electronic surveillance for which equipment will be utilized, to include citation of the specific statute;

6. that the Chief Division Counsel or the Assistant U.S. Attorney has reviewed the affidavits and orders to be filed and concurs in their sufficiency; and,

7. that FBI policy in limiting disclosure as set forth in Part 2, Sections 10-10.13 and 10-10.16, of this manual, will be honored in any subsequent local proceedings.

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The above information is to be provided by appropriate communication to the attention of the Laboratory Division, as well as to either the Criminal Investigative Division or the [redacted] as appropriate.

(d) Any request for FBI assistance in the execution of a locally obtained court order which requires [redacted] will be handled separately and will require significant justification. Emergency requests for such assistance are to be discouraged and likely will NOT be approved.

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(3) LOAN OF ELECTRONIC SURVEILLANCE EQUIPMENT TO OTHER FEDERAL AGENCIES.

(a) The loan of FBI technical electronic surveillance equipment to other federal agencies is permissible on a short-term basis. The loan of equipment is subject to availability and must not negatively affect the technical investigative capabilities of the FBI.

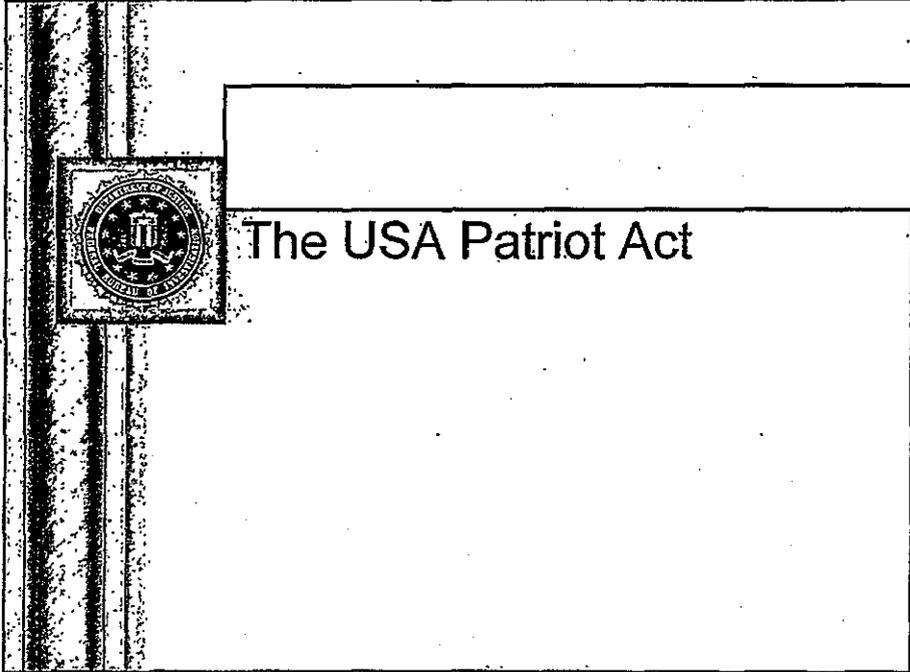
(b) For agencies of the Department of Justice (DOJ) (e.g., the Drug Enforcement Administration (DEA)), material support and assistance, including the loan of technical equipment, should be handled on a local level, subject to the provisions stated above.

(c) For agencies outside the DOJ, requests must be made on a headquarters level, and the requesting agency must have appropriate electronic surveillance authority and capability.

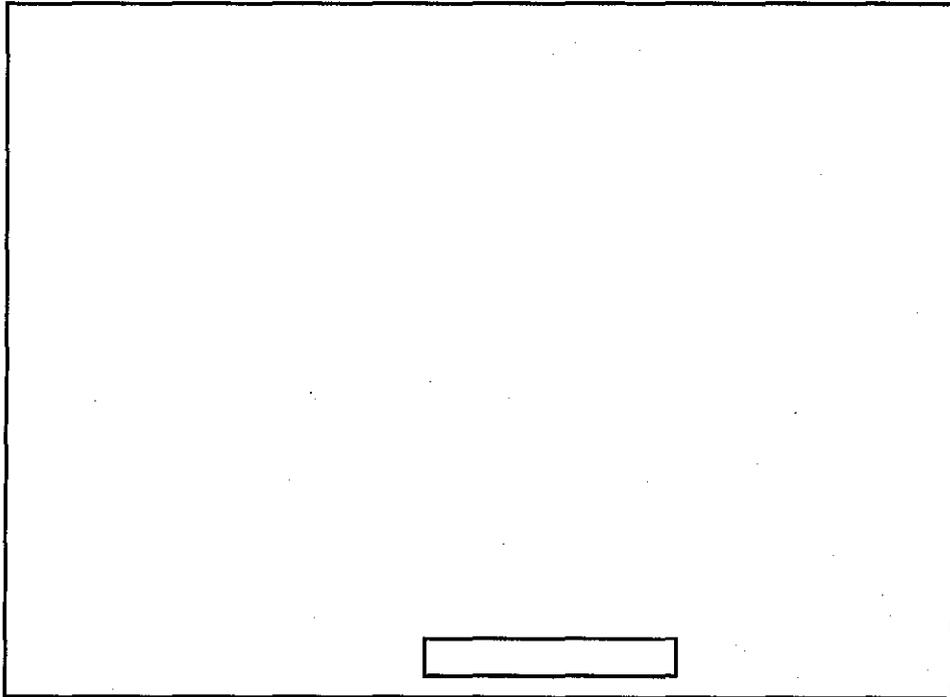
(d) All technical equipment provided must be available in existing field office inventory.

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## Why the "USA Patriot Act"?

- **Senate: Uniting and Strengthening America (Act)**
- **House: Providing Appropriate Tools Required to Intercept and Obstruct Terrorism (Act)**

June 24, 2003

[Redacted]

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## Overview

- **The Pen Register and Trap and Trace Statute**
- **Other Amendments to the Wiretap Statute and ECPA relating to Wireless**

June 24, 2003

[Redacted]

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## I. The Pen/Trap Statute

- **Old statute:** the term "pen register" means a *device* which records or decodes electronic or other impulses which identify the *numbers dialed* or otherwise transmitted on the *telephone line to which such device is attached* (18 U.S.C. 3127(3))
- **New statute: Technology-neutral language**

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## I. The Pen/Trap Statute (old statute)

- *In the matter of the Application of the USA for an Order Authorizing the Use of a Cellular Telephone Digital Analyzer, 885 F.Supp 197 (S.D. CA 1995).*
- **FACTS:**
  - First application denied for failure to describe operation of device. Supp. Affidavit filed.
  - AUSA asks for PR/T&T order out of "abundance of caution"
  - Affidavit discloses that Digital Analyzer (DA) captures ESN, user's cell # and number dialed when in close proximity.

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*1. In the matter of the Application of the USA for an Order Authorizing the Use of a Cellular Telephone Digital Analyzer*, 885 F.Supp 197 (S.D. CA 1995).

● **Holding:**

- Court agrees that no order is required.
- Court notes:

The statutory definition of a pen register limits it to a device 'which records or decodes electronic or other impulses which identify the numbers dialed or otherwise transmitted on the telephone line to which such device is attached....' 18 U.S.C. 3127(3)" .

- Court finds that because DA is not "attached" to a line, DA does not qualify as a PR.

June 24, 2003



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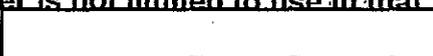
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*1. In the matter of the Application of the USA for an Order Authorizing the Use of a Cellular Telephone Digital Analyzer*, 885 F.Supp 197 (S.D. CA 1995).

● **Court addresses application even though not required.**

● **Court denies request because:**

- As drafted, order is not limited to use in that judicial district 
- Moreover: "The order sought, ...would not insure sufficient accountability. For example, depending upon the effective range of the digital analyzer, telephone numbers and calls made by others than the subjects of the investigation could be inadvertently intercepted." *Id.* at 201.

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## The Pen/Trap Statute (USA Patriot changes)

- **New PR Language:** the term "pen register" means a device *or process* which records or decodes dialing, routing, addressing, or signaling information transmitted by an instrument or facility from which a wire or electronic communication is transmitted ...
- **No content:** ...provided, however, that such information shall not include the contents of any communication (18 U.S.C. 3127(3), (4))
- **Technology-neutral adjustments made throughout PR/T&T statute.**

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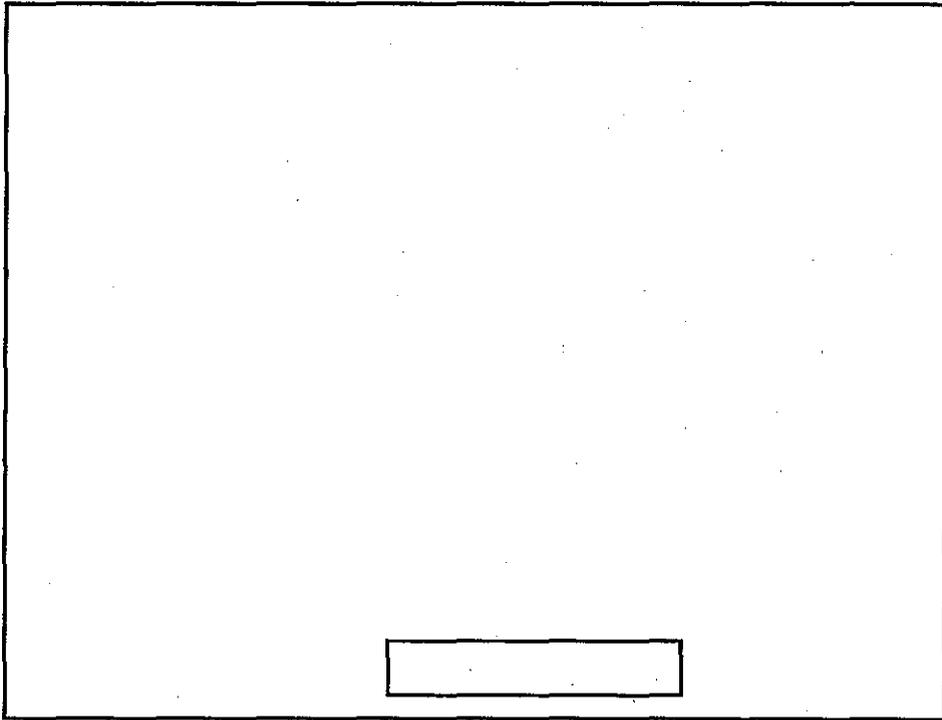
## The Pen/Trap Statute (USA Patriot changes)

- **New T&T Language:** the term "trap and trace" means a device *or process* which identify the originating number or other dialing, routing, addressing, and *signaling information reasonably likely to identify the source of a wire or electronic communication....*" 18 U.S.C. § 3127(4).

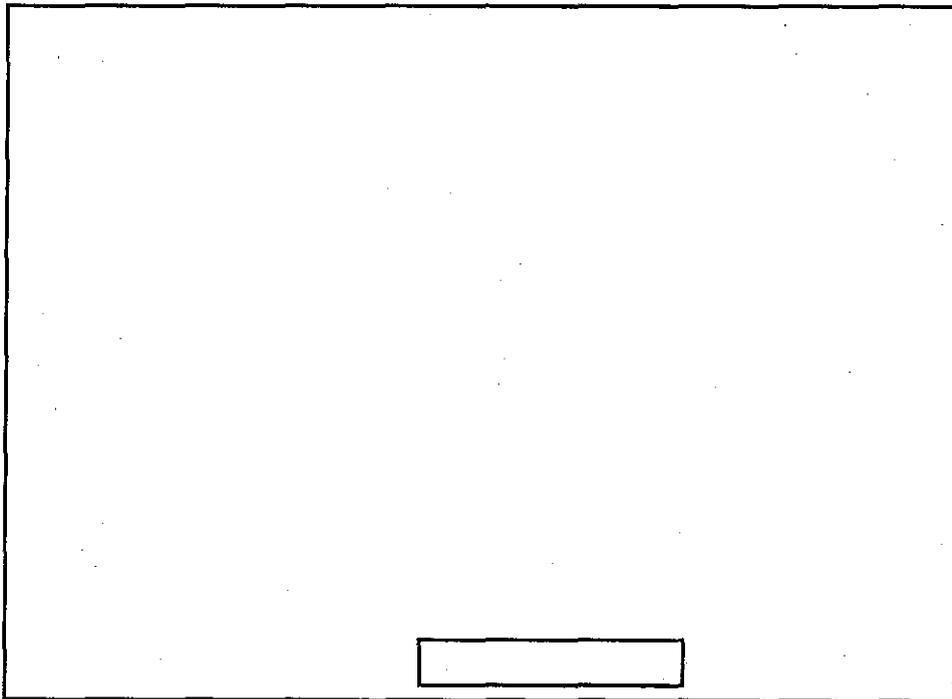
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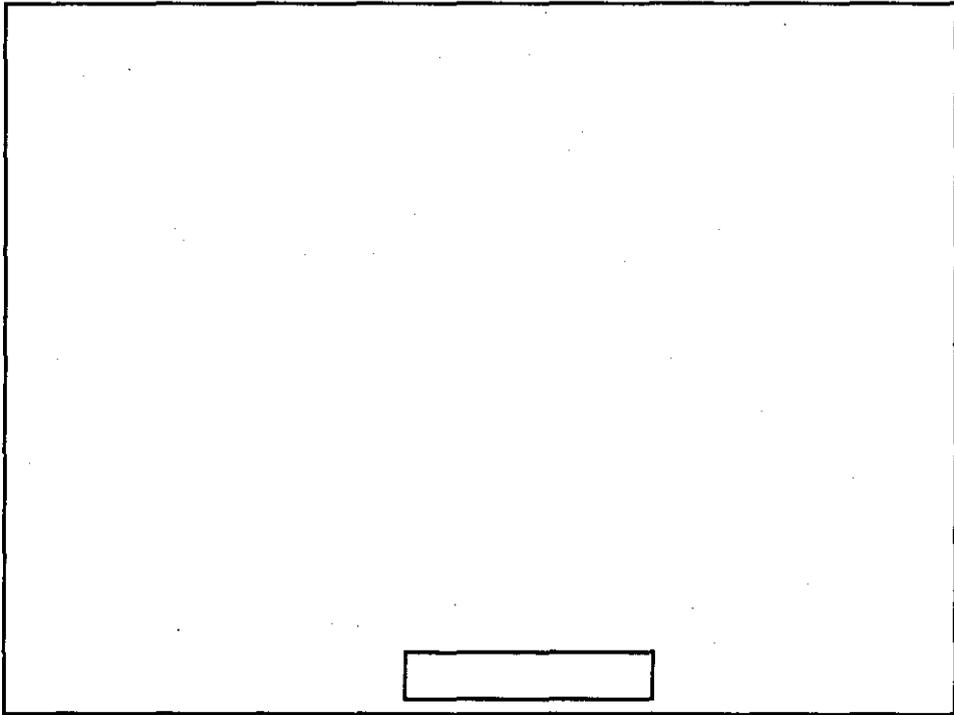


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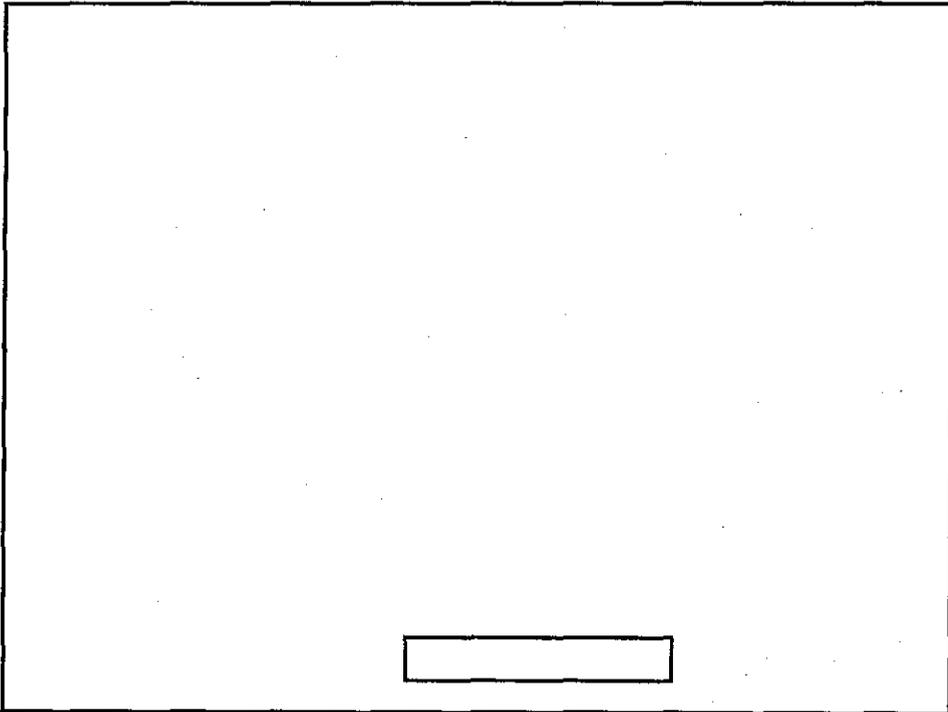


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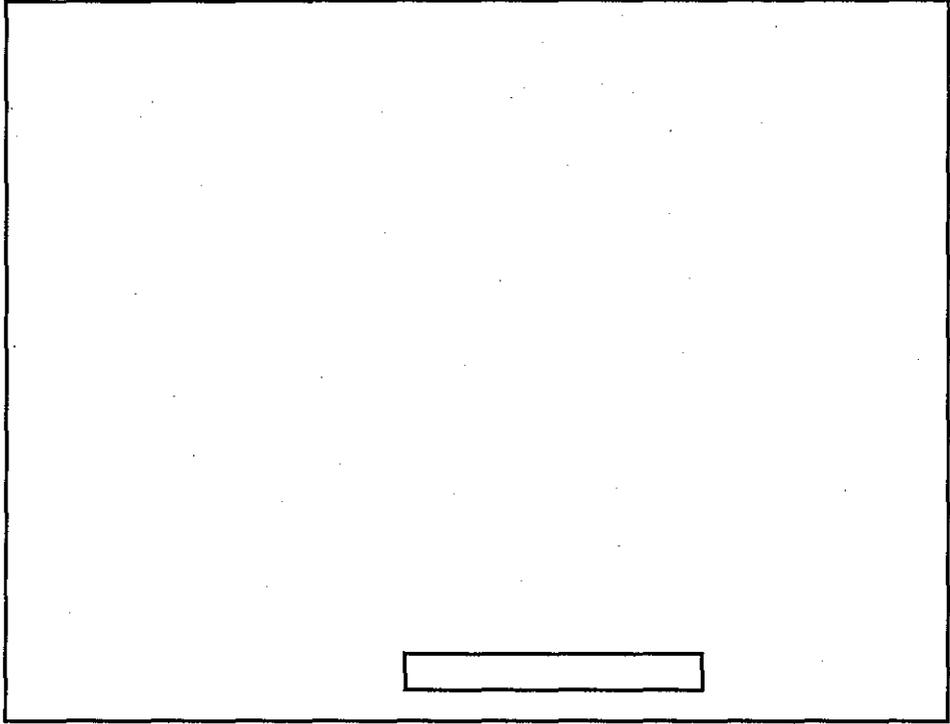


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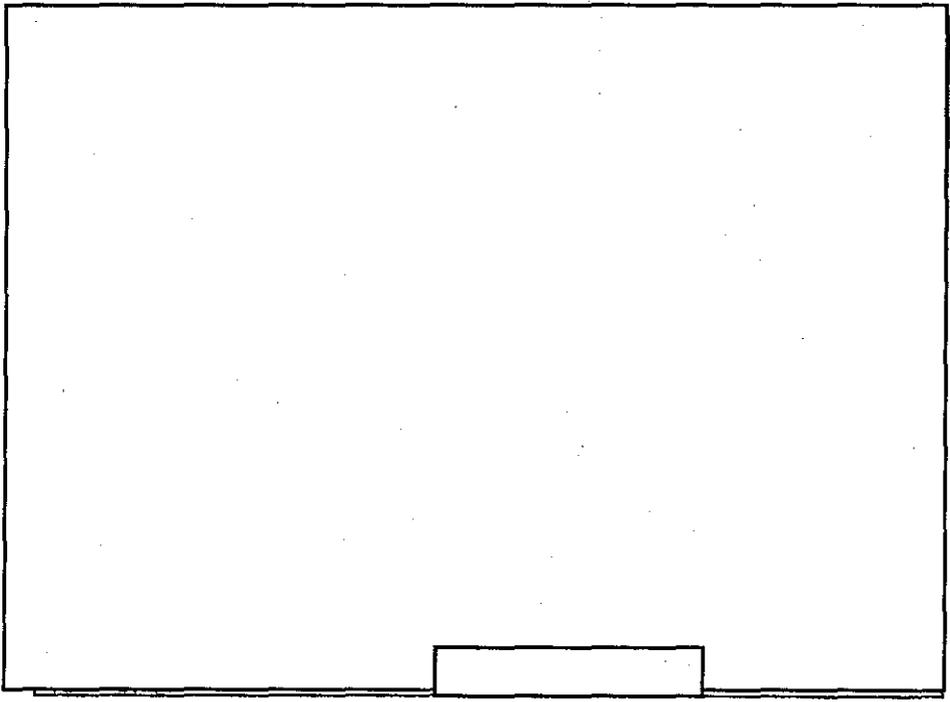


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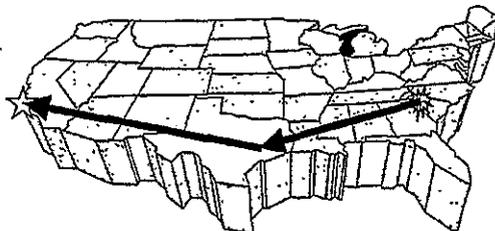
## Pen/Trap: Nationwide Effect

- Can obtain order locally for a device installed in another district (18 U.S.C. 3123(a))
- Order is good nationwide, even if providers that carry the communication are located outside of the district (18 U.S.C. 3123(a))
- Court issuing the order must have jurisdiction over the offense

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- Providers not named in order may demand a certification (18 USC 3123(a))

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 Pen/Trap: [redacted]  
[redacted]

- **New reporting requirement where law enforcement uses its own device on a public provider's network pursuant to a pen/trap order (3123(a)(3))**
  - E.g.: date and time of installation and removal; information collected
- **No 4yr Sunset on Pen/Trap Reports**

June 24, 2003 [redacted] .19

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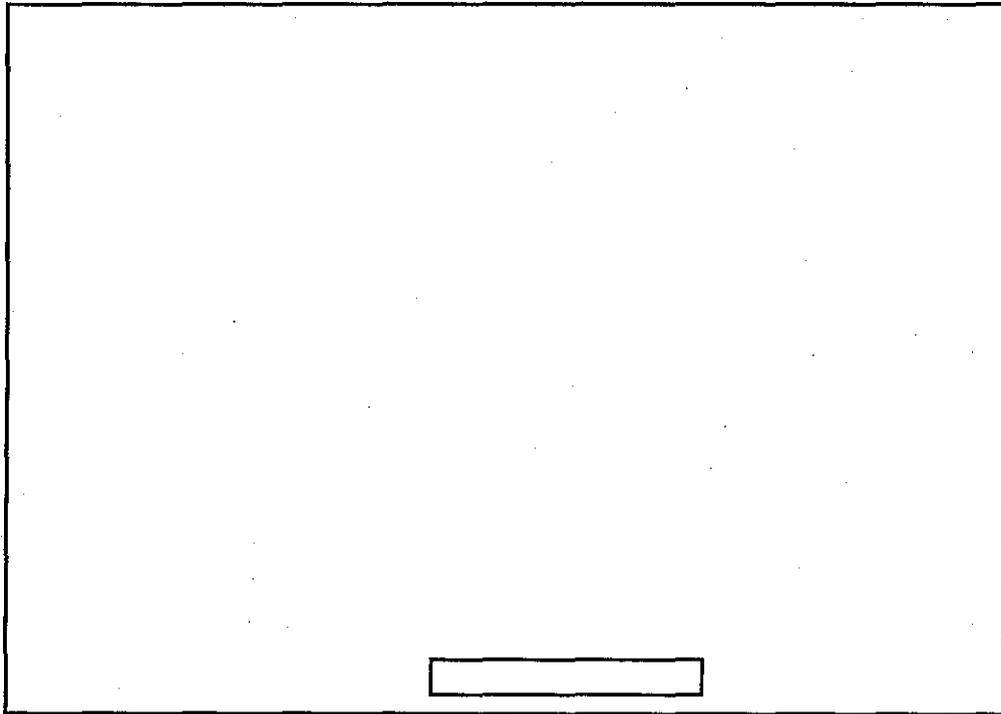
 Pen/Trap: [redacted]  
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- **Actual text triggers reporting when:**  
"the law enforcement agency implementing an ex parte order under this subsection seeks to do so by installing and using its own pen register or trap and trace device on a packet-switched data network of a provider of electronic communication service to the public" P.L. 107-56, sec. 216

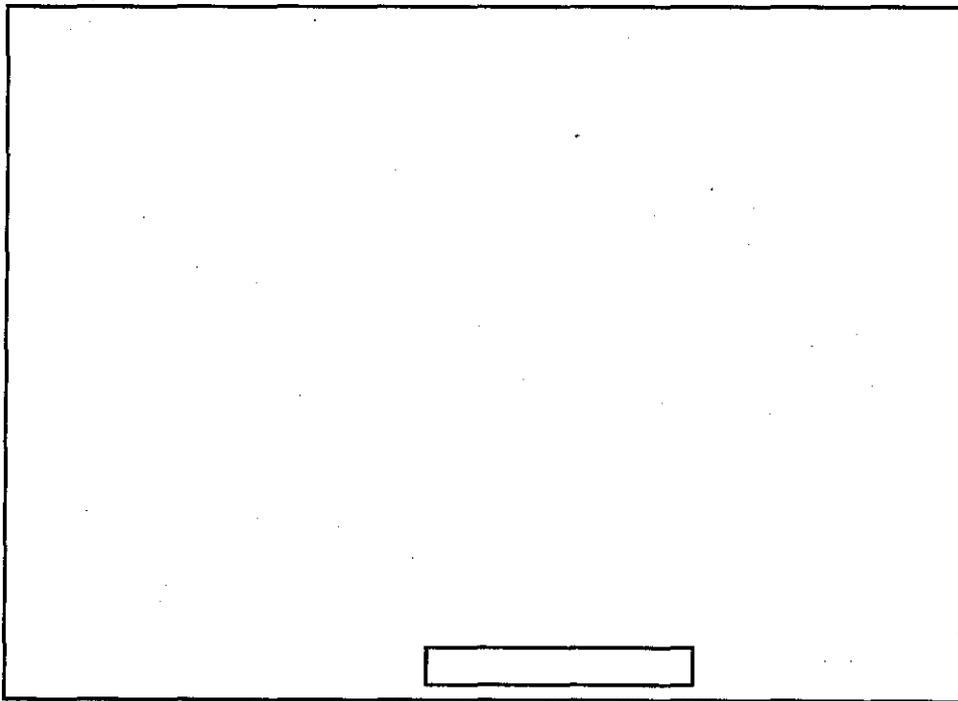
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## Overview

- **The Pen Register and Trap and Trace Statute**
- **Other Amendments to the Wiretap Statute and ECPA**

June 24, 2003

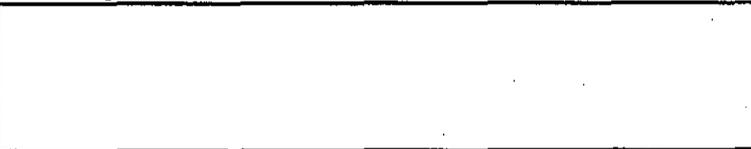
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## II. The Computer Trespasser Exception

- **Old law: law enforcement often had to get a wiretap order in order to help victims monitor computer hackers**



- **New law: new exception to Title III: 18 U.S.C. 2511(2)(I)**
  - allows interception of “computer trespassers” - i.e. those without authorization to use a computer

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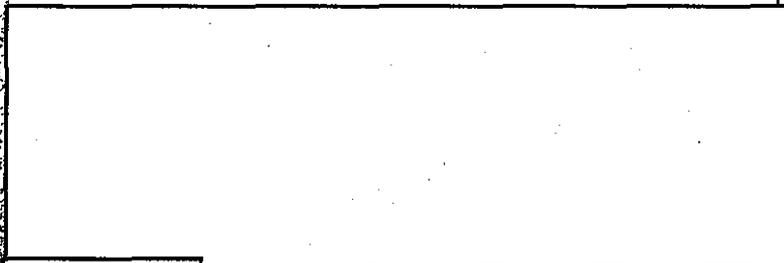
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## II. The Computer Trespasser Exception



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[redacted] new exception to Title III at 18 U.S.C.

2511(2)(i)

- Subject to 4-year sunset provision
  - grandfather clause for pre-sunset offenses

June 24, 2003

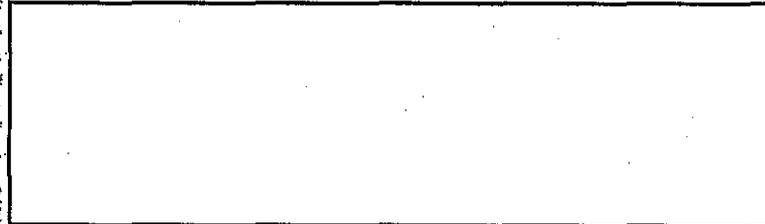
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## Definition of Computer Trespasser

- "Computer trespasser" defined (18 U.S.C. 2510(21))
  - Person who accesses "without authorization"
  - Definition continues: "and thus has no reasonable expectation of privacy..."



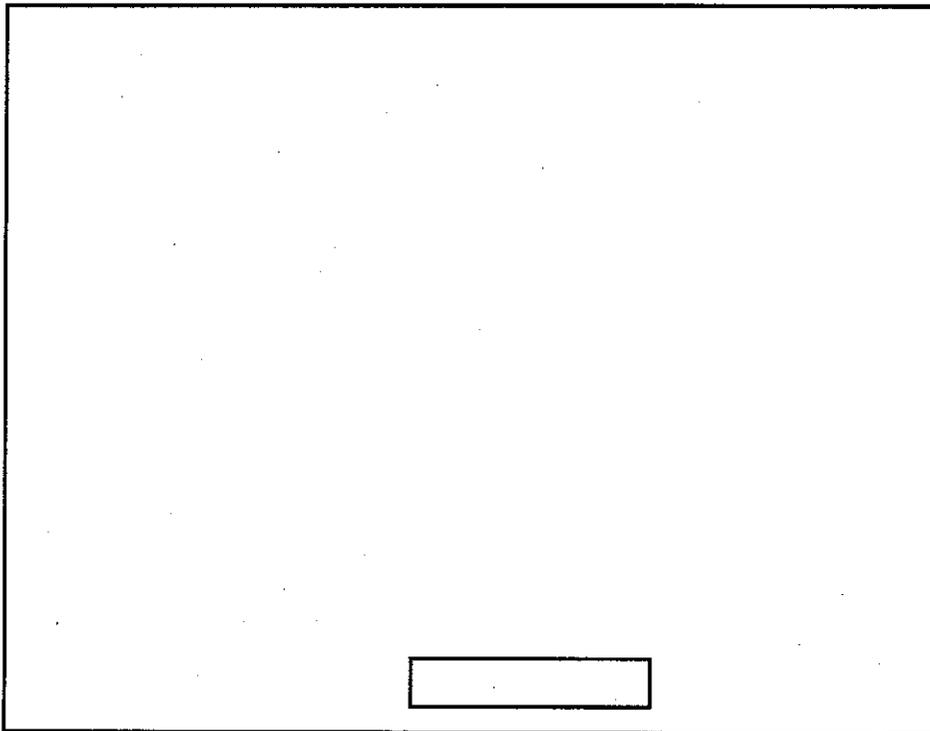
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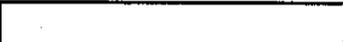


## Overview

- The Pen Register and Trap and Trace Statute
- The Computer Trespasser Exception
- The Cable Act Fix
- Other Amendments to the Wiretap Statute and ECPA

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## IV. Other Amendments to Title III and ECPA

- Voice mail fix
- Scope of subpoenas under 2703(c)
- Voluntary disclosure of information by providers
- Nationwide search warrants for e-mail
- Voice wiretaps in hacker investigations

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## Voice Mail Fix

- Old law: unopened voice mail required a Title III order (18 U.S.C. 2510(1))
- Extra problem because of the convergence in technologies
- New law: all stored voice is governed by ECPA
  - Treat it like e-mail
  - Fresh, unopened voice mail: search warrant
  - Old or opened: subpoena, 2703(d) order with (delayable) notice
- Subject to the 4-year sunset provision

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## Scope of Subpoenas

- **Old law: can obtain “basic subscriber information” with a subpoena (18 U.S.C. 2703(c)(1)(C):**
  - name
  - address
  - local and long-distance telephone toll billing records
  - telephone number or other subscriber number or identity
  - length of service of a subscriber

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## Subpoena-Broadened Scope

- **New law: all previous categories plus (18 U.S.C. 2703(c)(2)):**
- **Information on credit card/bank account used to pay for an account.**
- **“temporarily assigned network address” and “records of session times and durations”**

- **Not subject to 4 yr sunset provision**

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CELL/OTD 004451



## Voluntary Disclosure By Providers (Part 1)

- Old law: providers could disclose content but not non-content records to protect their rights and property
- New law: all voluntary disclosures covered by 18 U.S.C. 2702
  - non-public providers can now voluntarily disclose for any reason
- Adds disclosures by public providers to protect rights and property (18 U.S.C. 2702(b)(5), (c)(3))
- Subject to t [redacted] provision

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## Voluntary Disclosure by Providers (Part II)

- Old law: no explicit provision to allow providers to disclose to protect life and limb
- New law: public providers can disclose content and non-content information in emergencies “involving immediate danger of death or serious physical injury” (18 U.S.C. 2702(b)(6)(C), (c)(4))
- Subject to the 4-year sunset provision

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## Voluntary Disclosure by Providers (Part II)

- **18 USC 2702(b): Public Provider may voluntarily disclose to law enforcement when:**
  - USA Patriot Act: If provider reasonably believes an emergency involving immediate danger of death or serious bodily injury requires disclosure 18 U.S.C. 2702(b)(6)(C).
  - Homeland Security Act (P.L. 107-296, §225) further amended USA Patriot Act: "To a Federal, State, or local governmental entity, if the provider, in good faith, believes that an emergency involving danger of death or serious physical injury to any person requires disclosure without delay of communications relating to that emergency." 18 U.S.C 2702(b)(7).

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## Voluntary Disclosure by Providers (Part II)

- **Assuming emergency situation, LE can provide facts to convince provider that emergency involving danger of death or serious injury exists and provider may disclose.**

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- Exception applies to content and non-content information (dialing, addressing, routing, signaling, and location)
- **REPORTING REQUIREMENT**

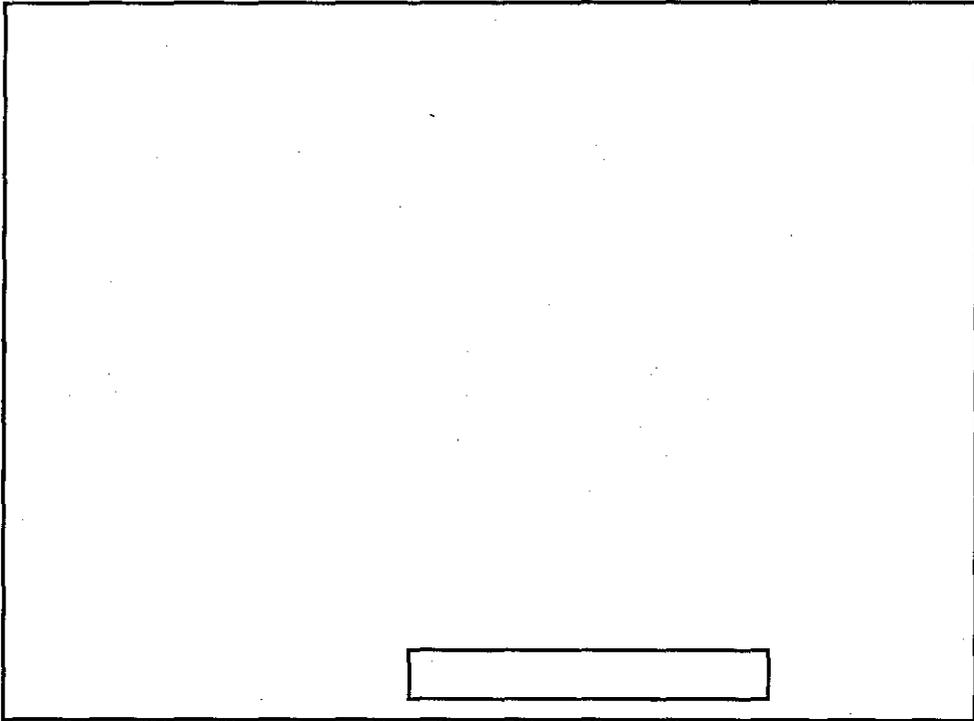
June 24, 2003

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**Q & A**

[Redacted]

**Associate General Counsel  
Technology Law Unit  
Engineering Research Facility  
FBI Academy Campus USMCB  
Bldg 27958A, Rm. A-027  
Quantico, VA 22135  
Tel. [Redacted]**

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# CALEA Solutions

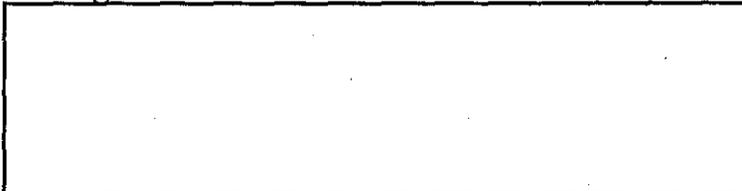


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## Topics

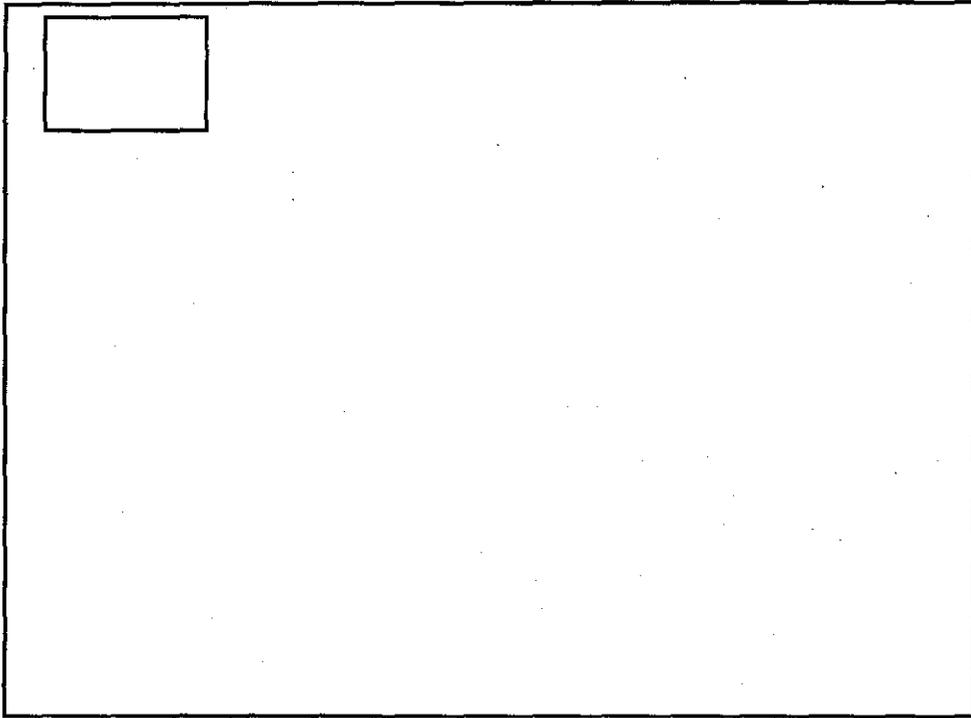
- Key elements of CALEA
- Various types of Wireless Carrier interconnection configurations



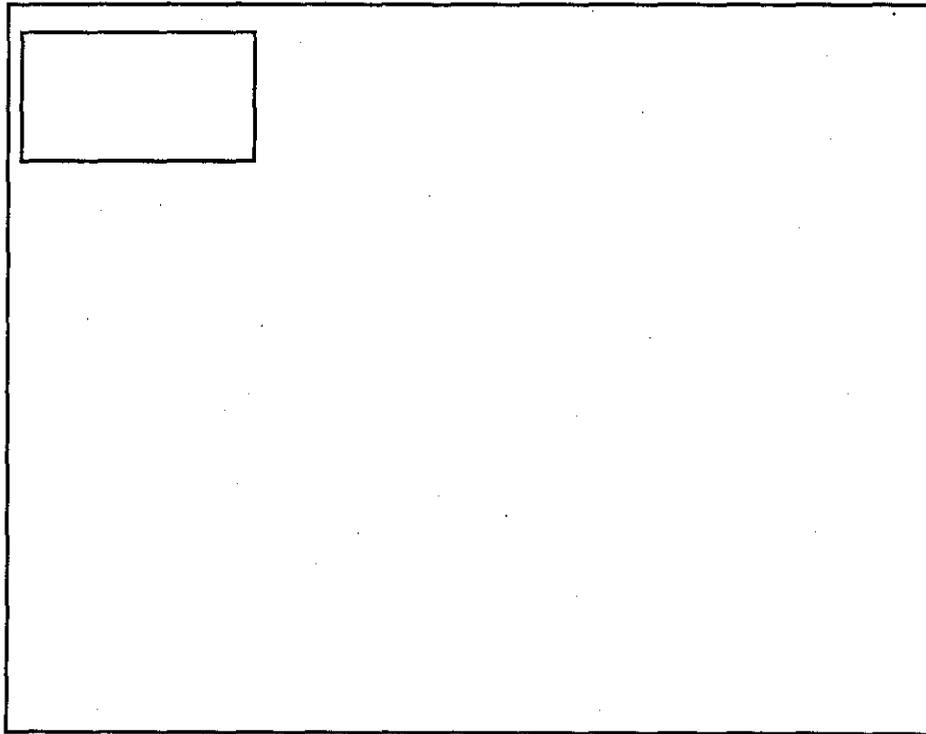
- Further support available from  of



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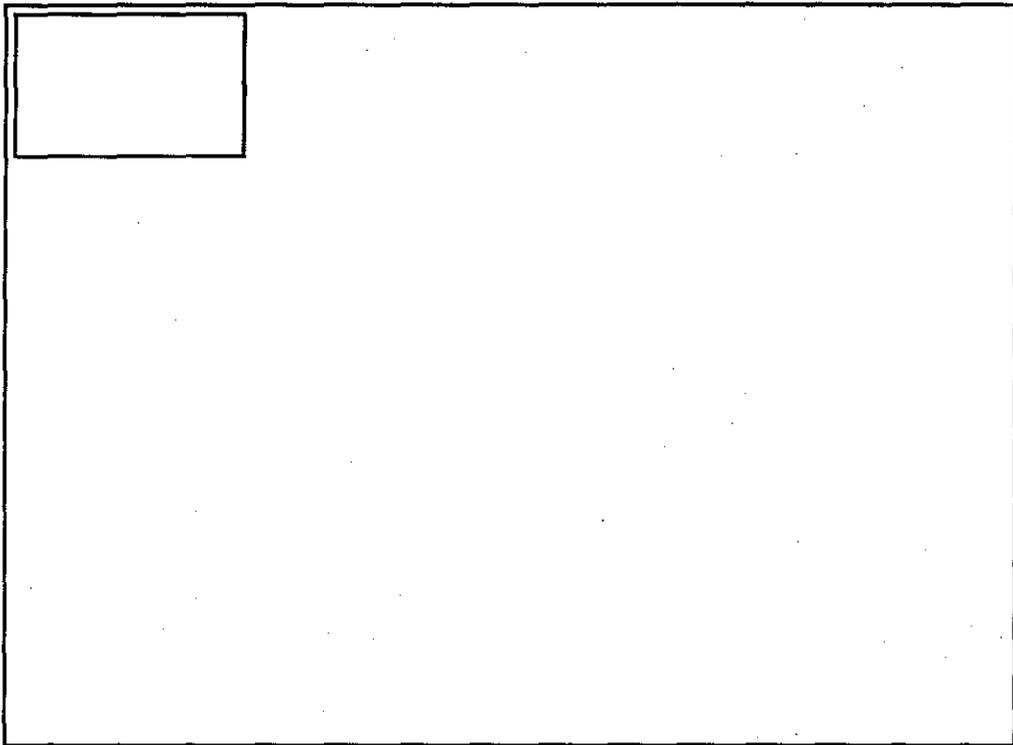


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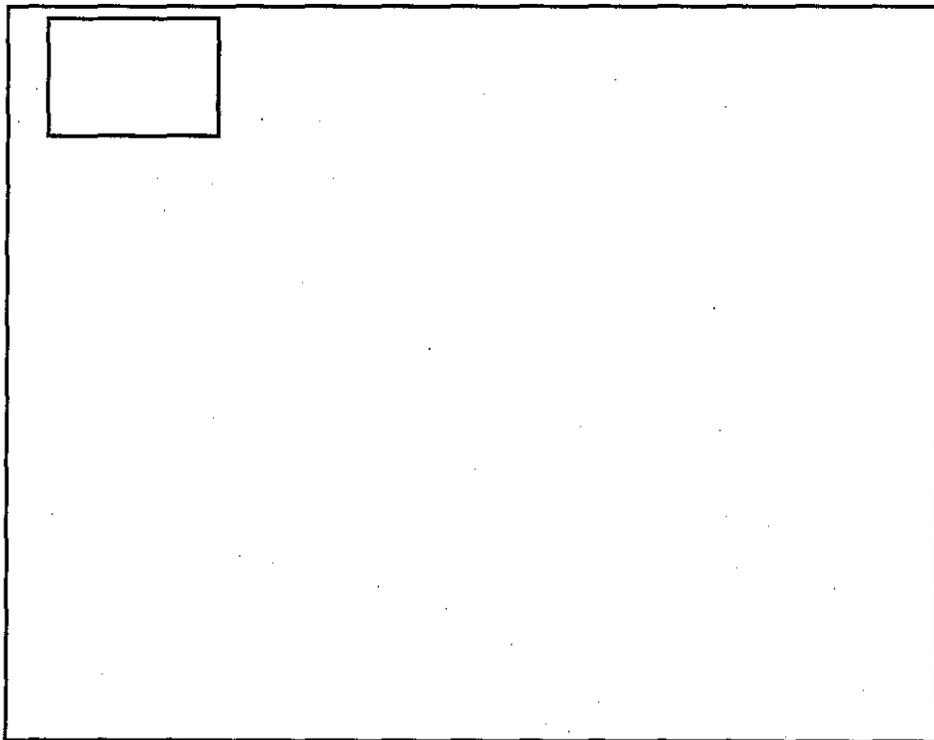


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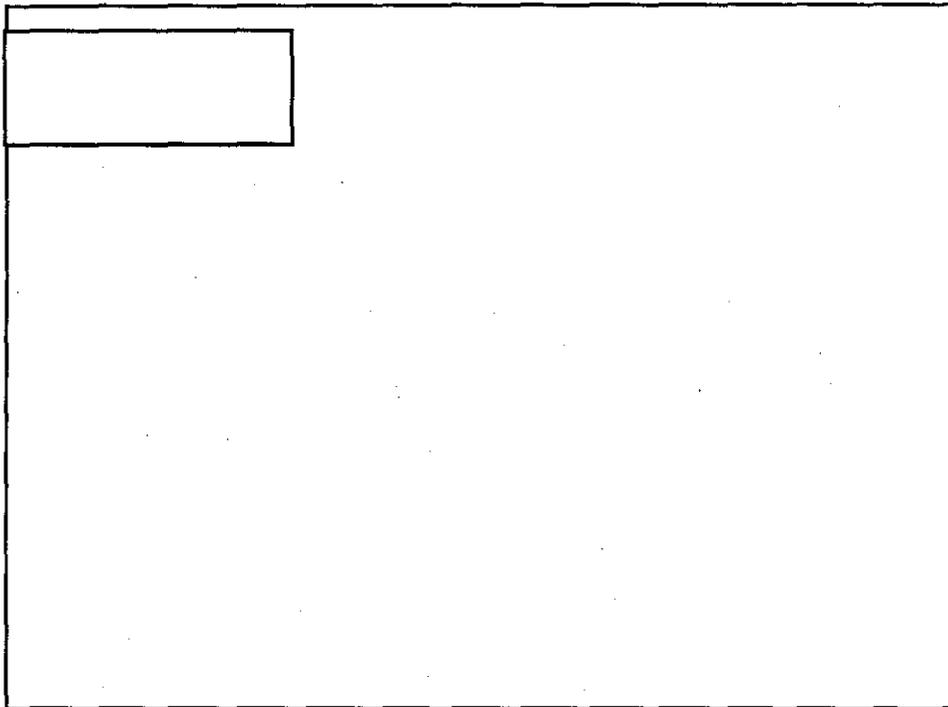


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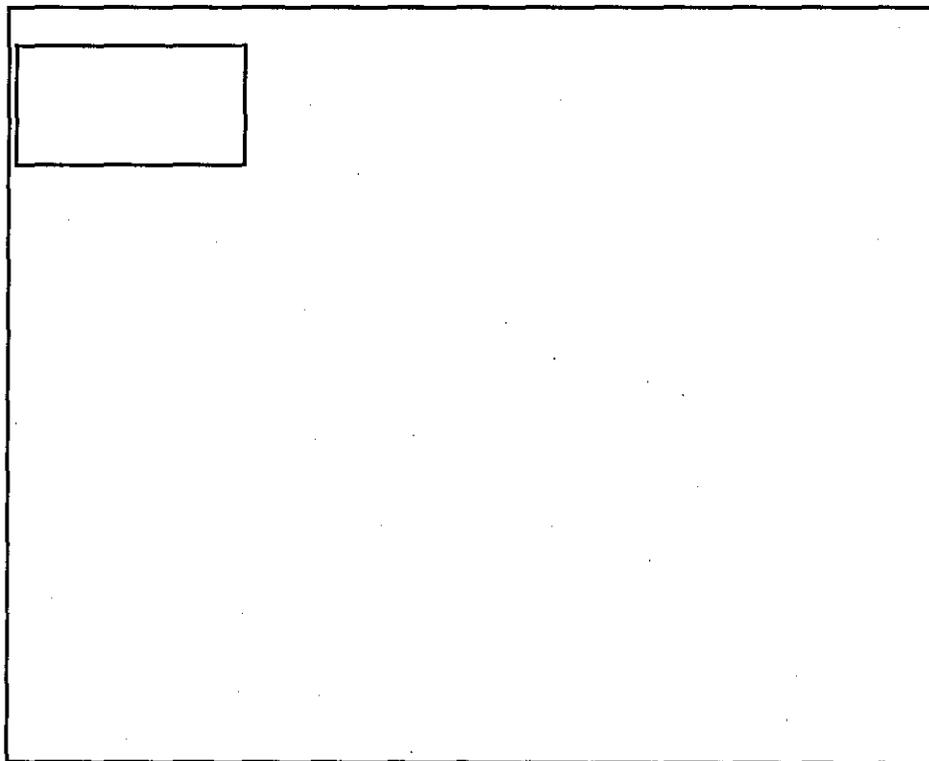


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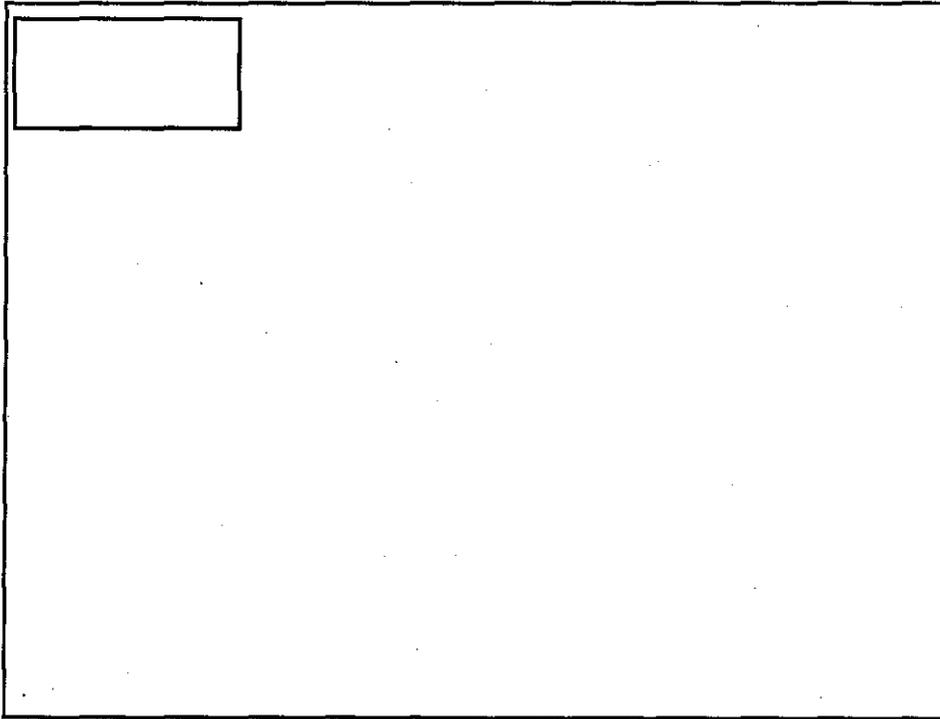


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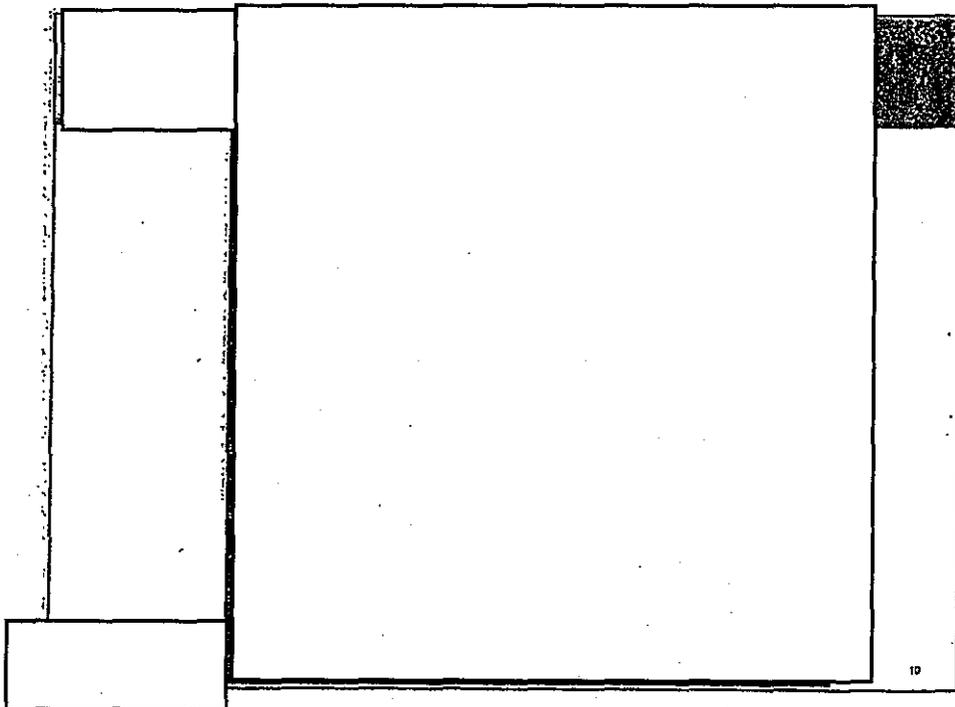


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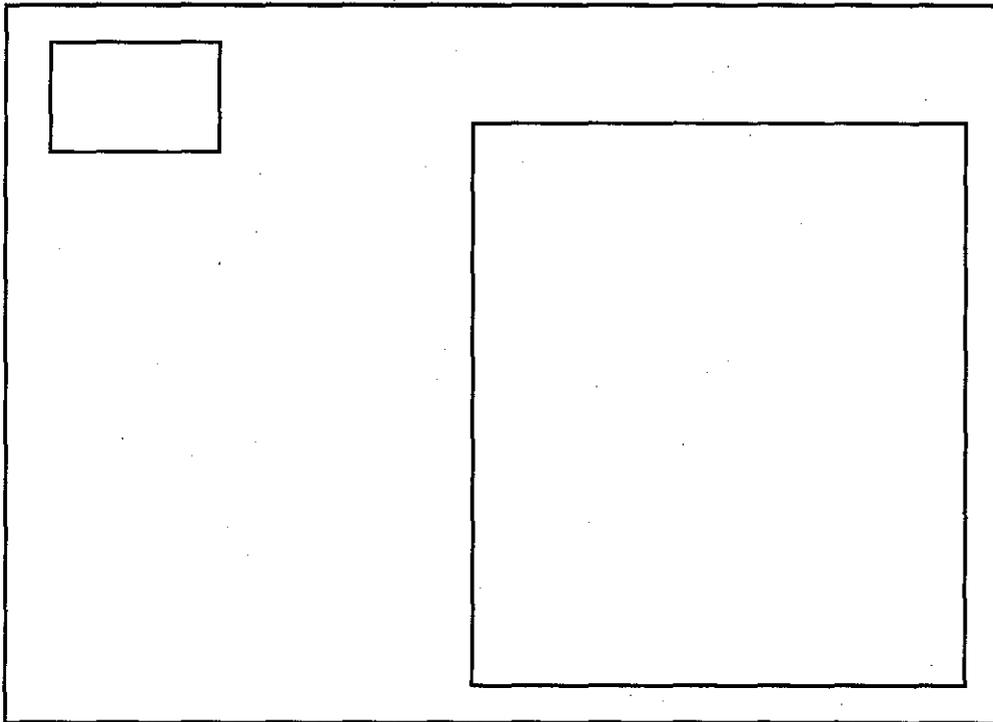


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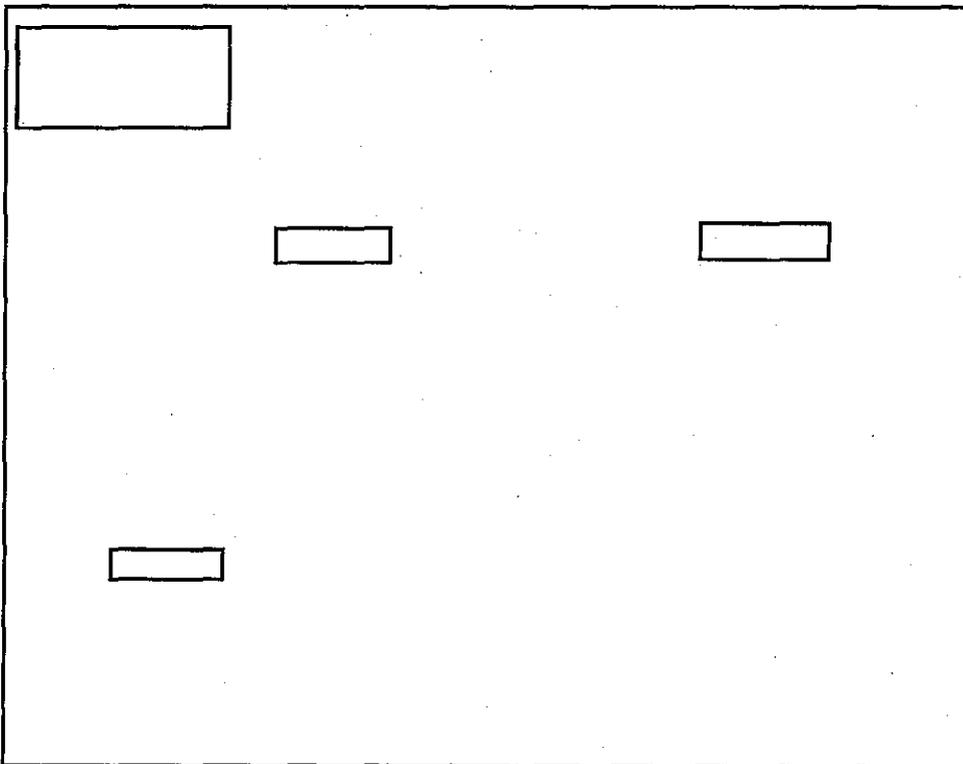


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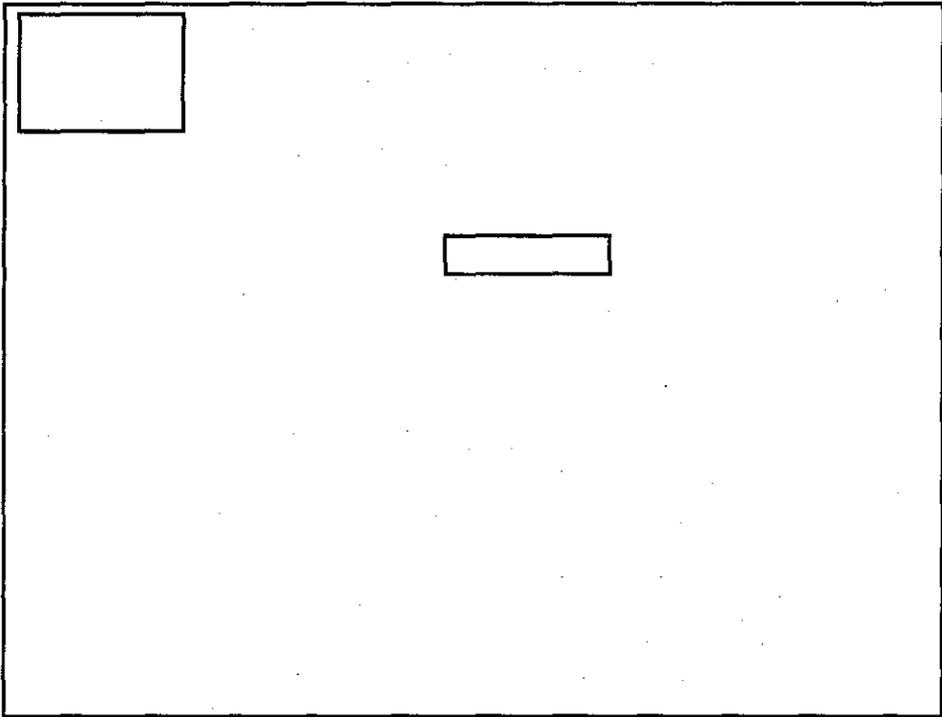


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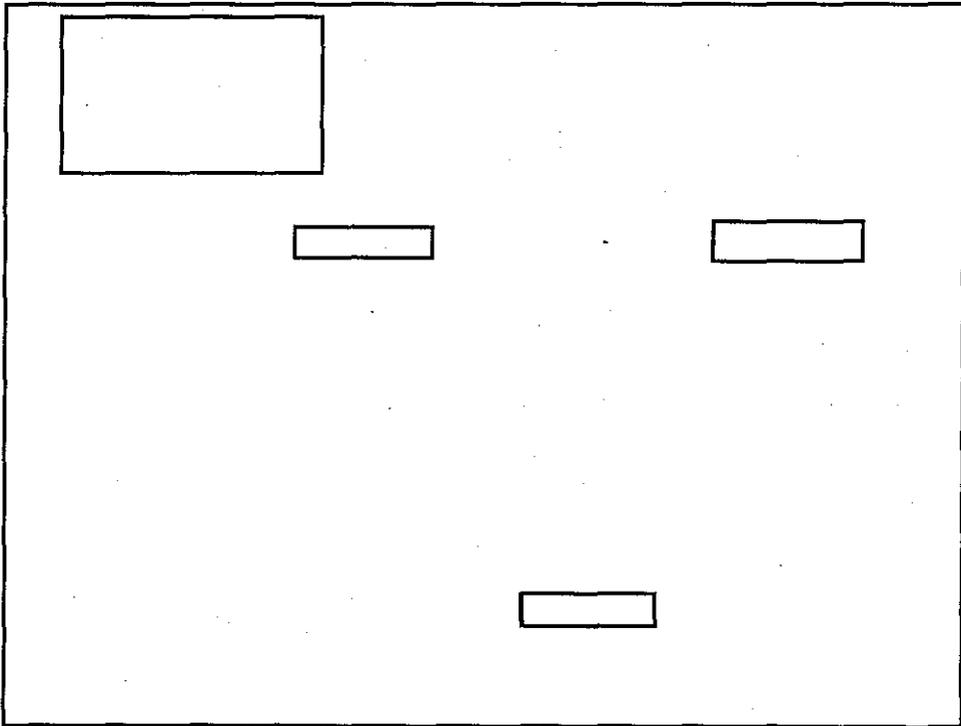


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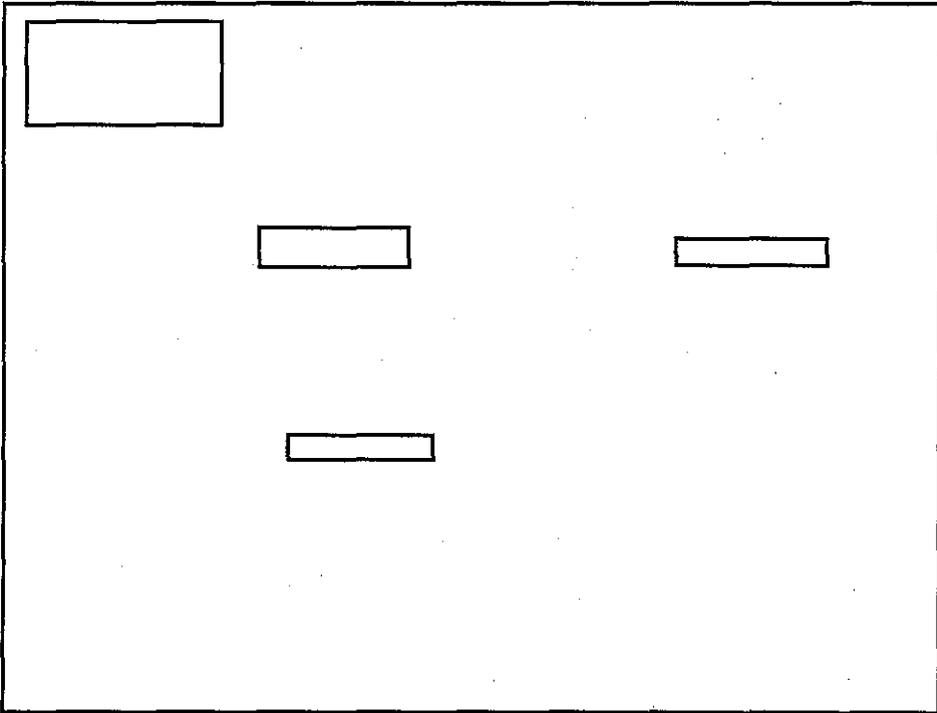


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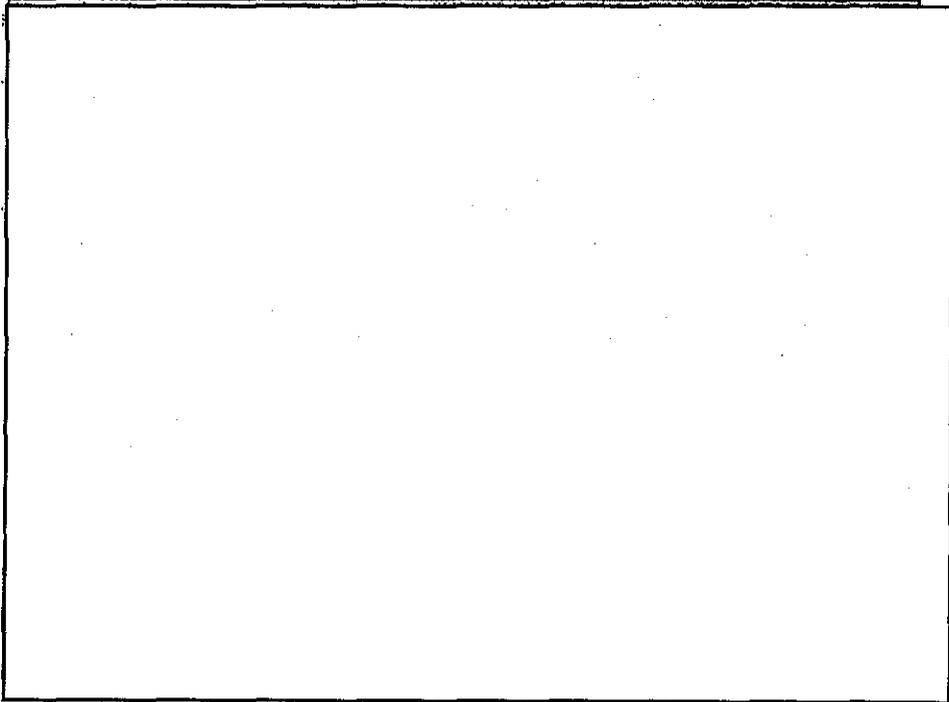


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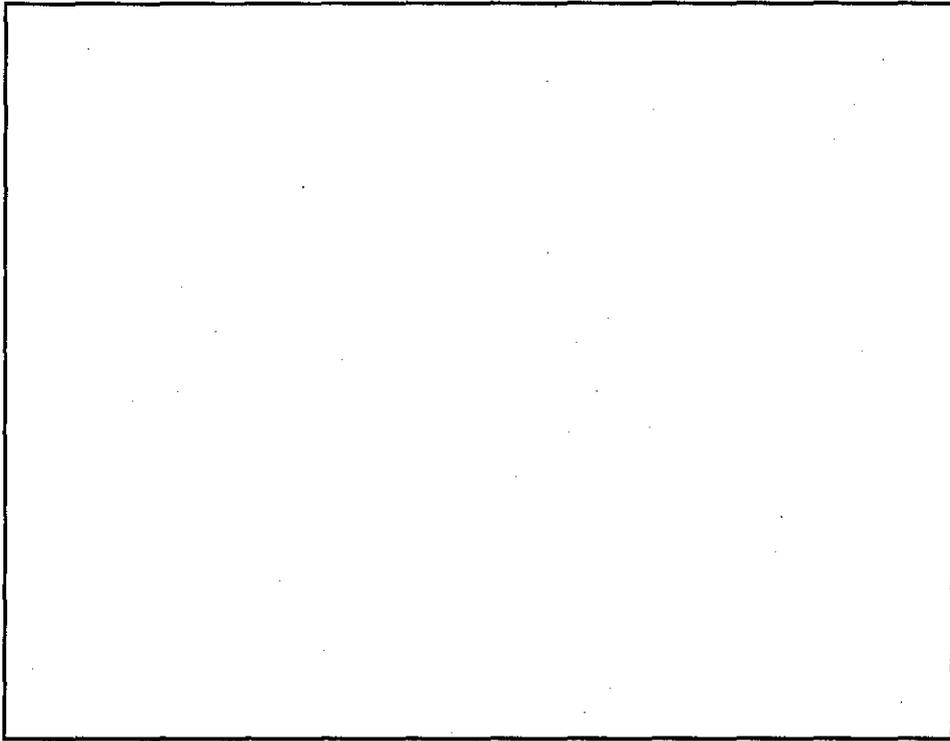


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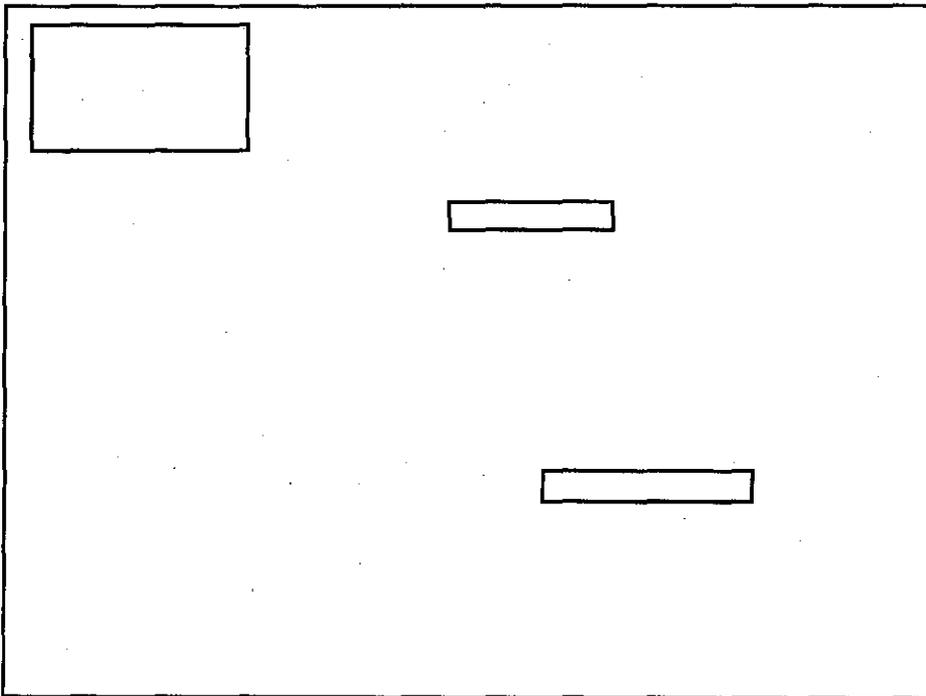


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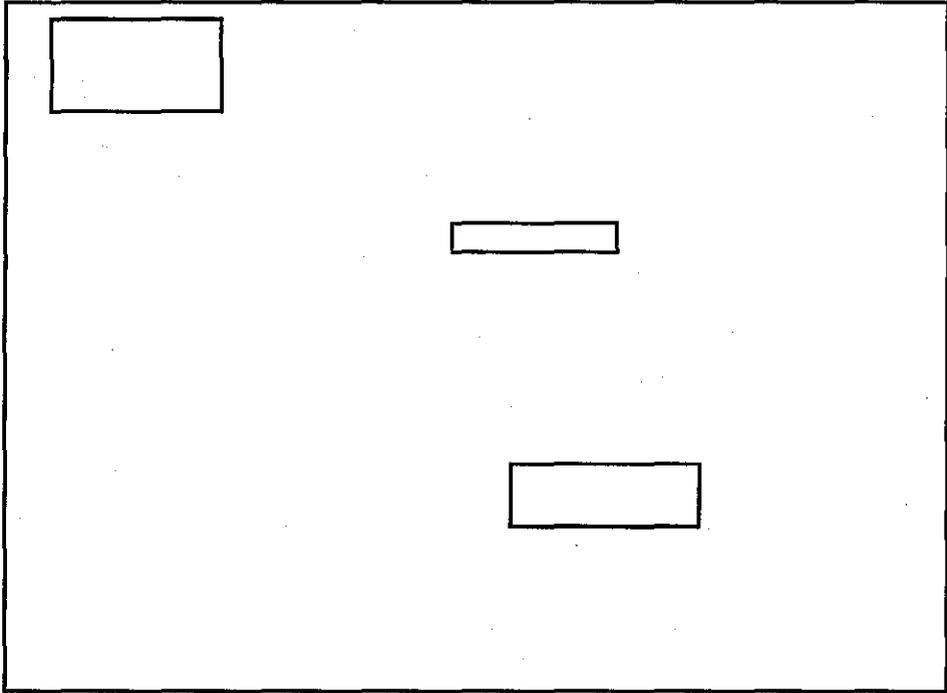


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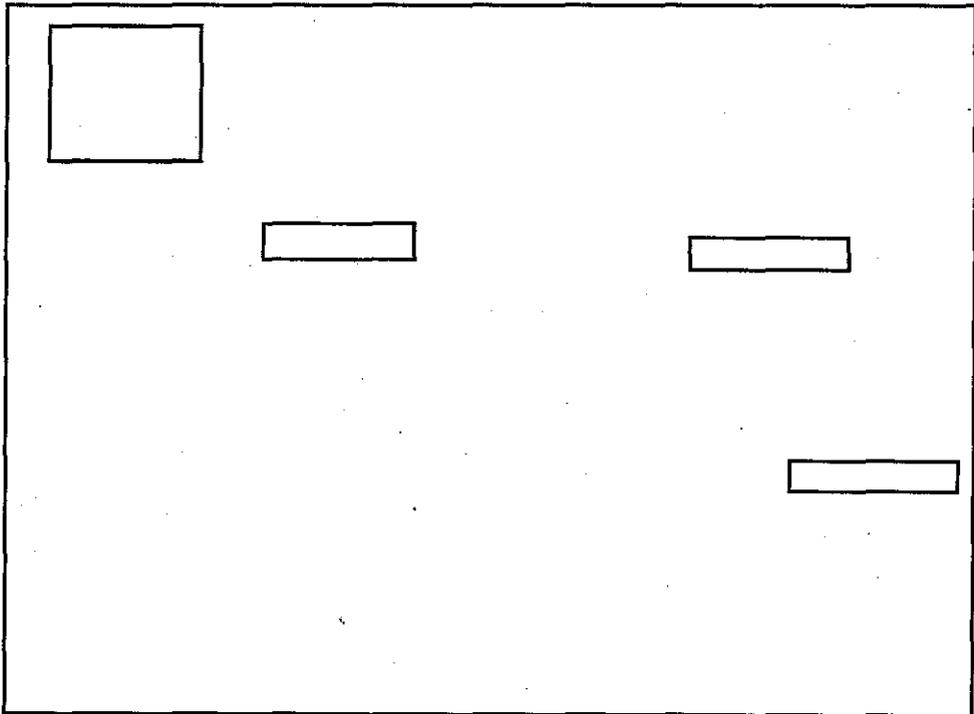


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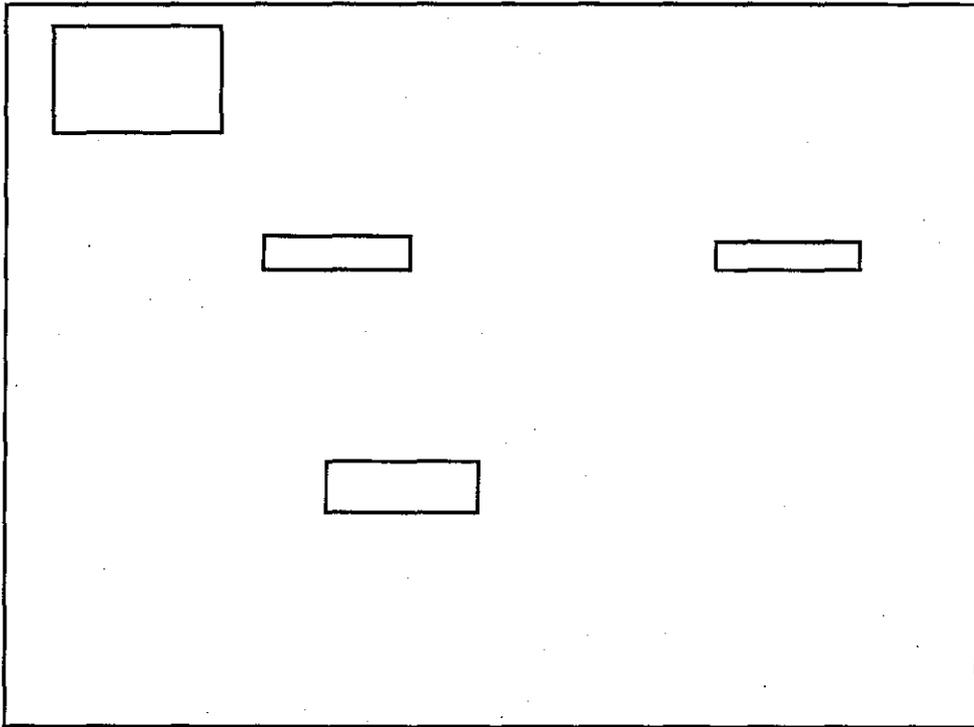
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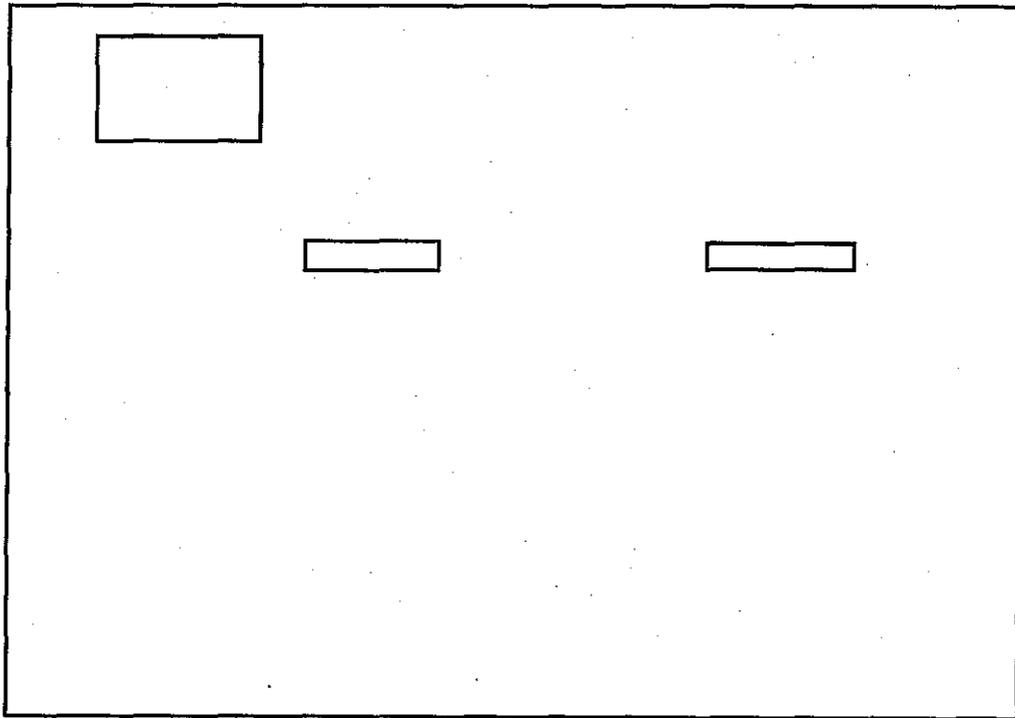
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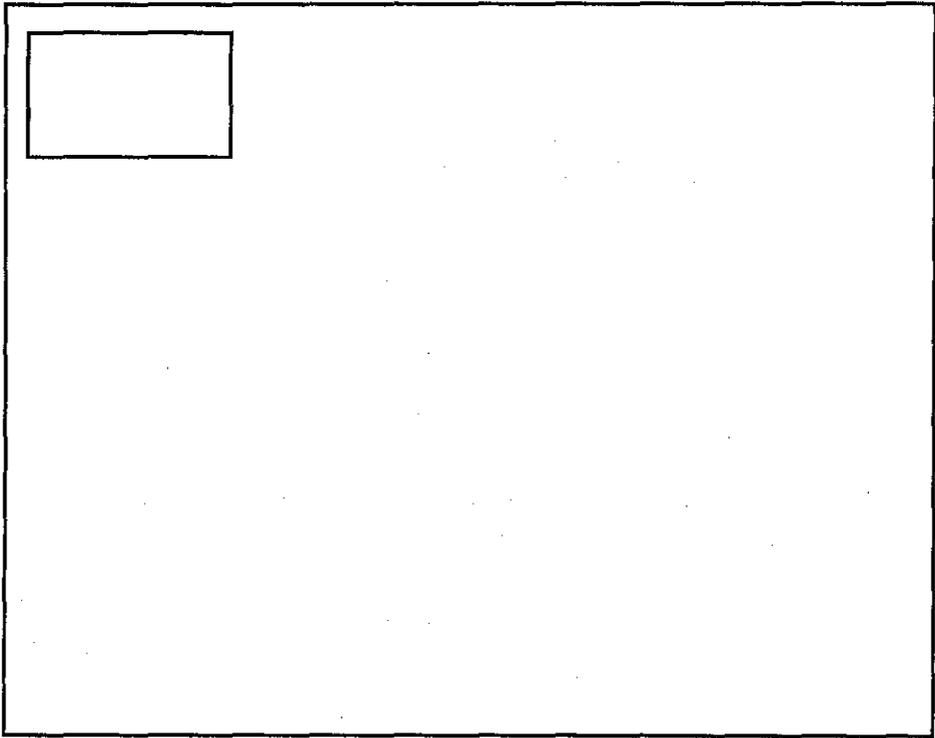
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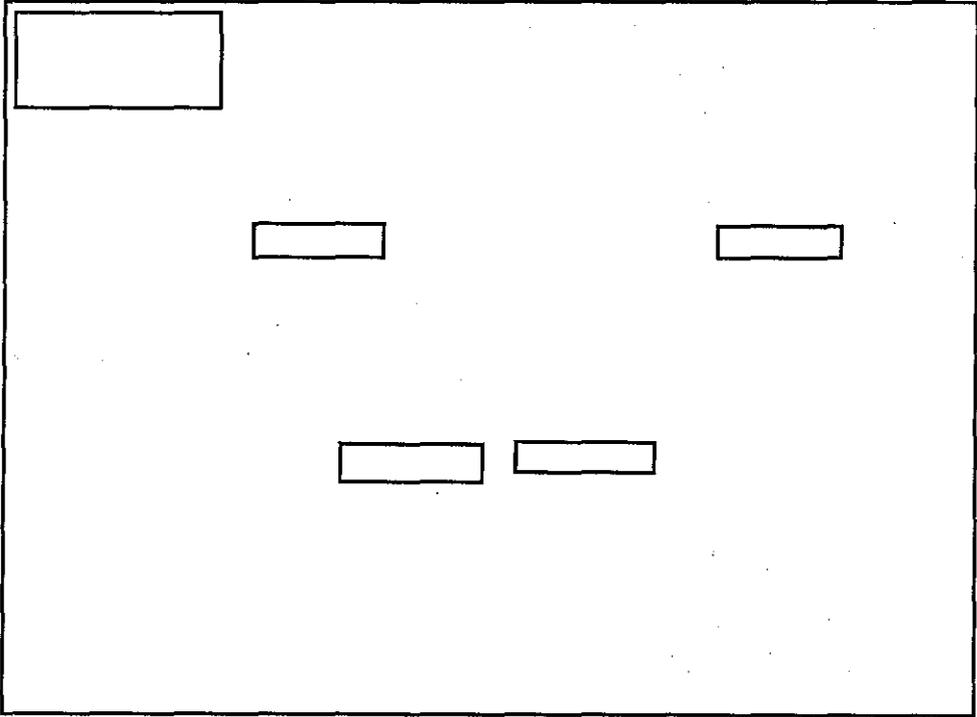
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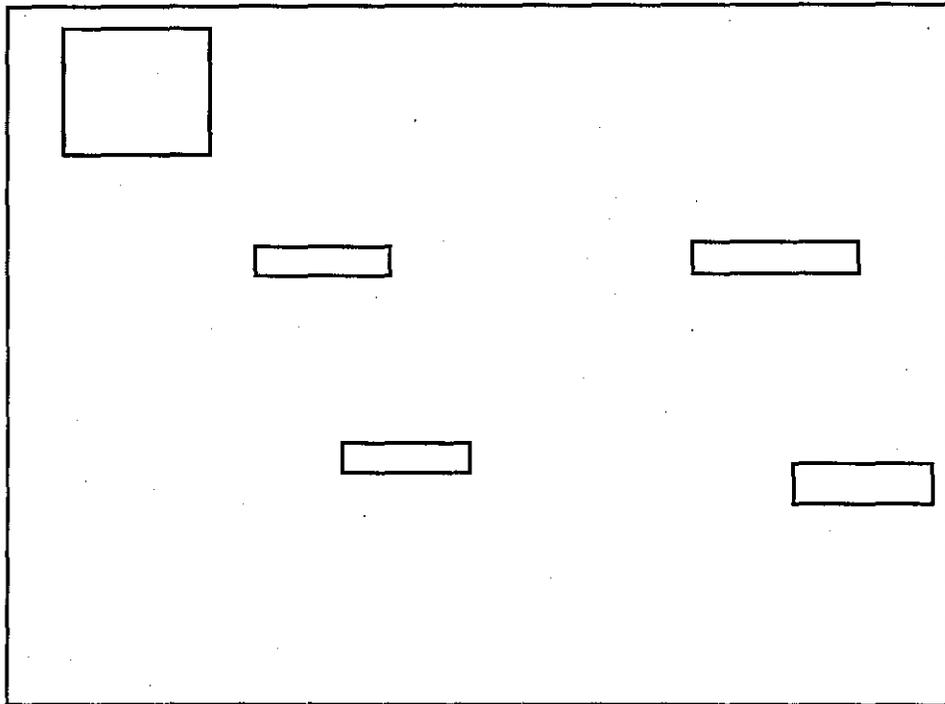


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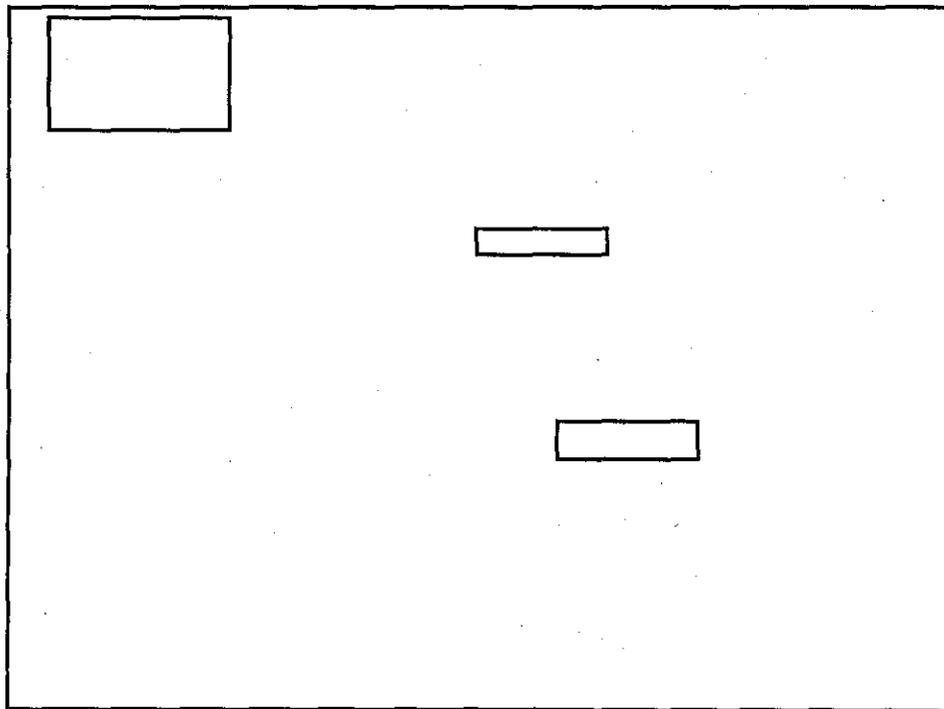


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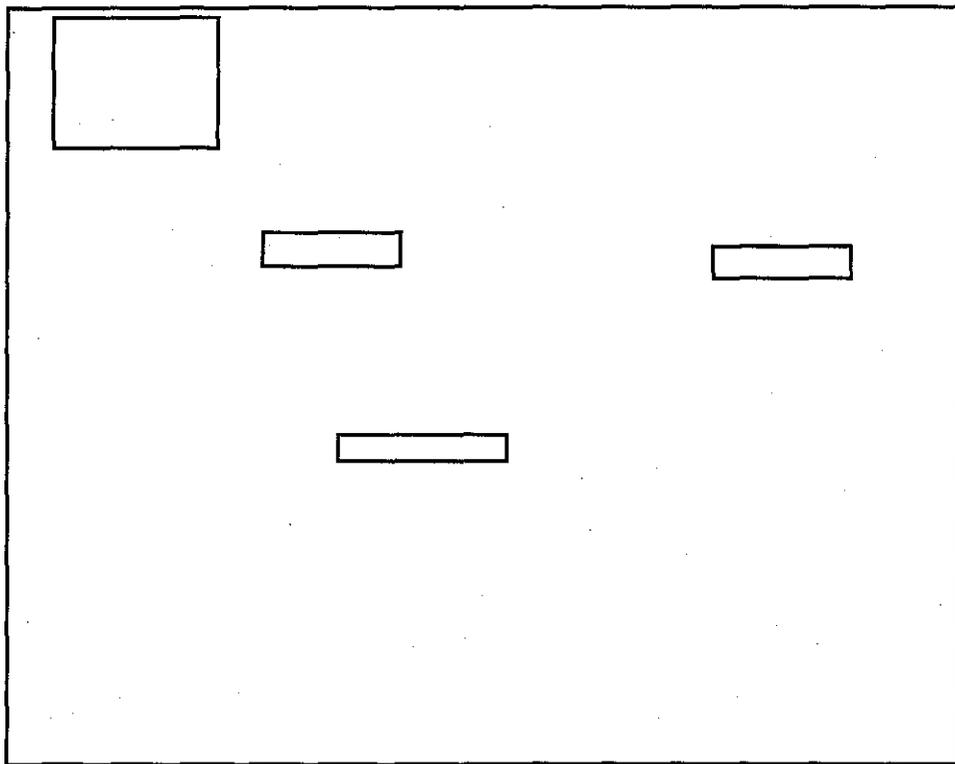


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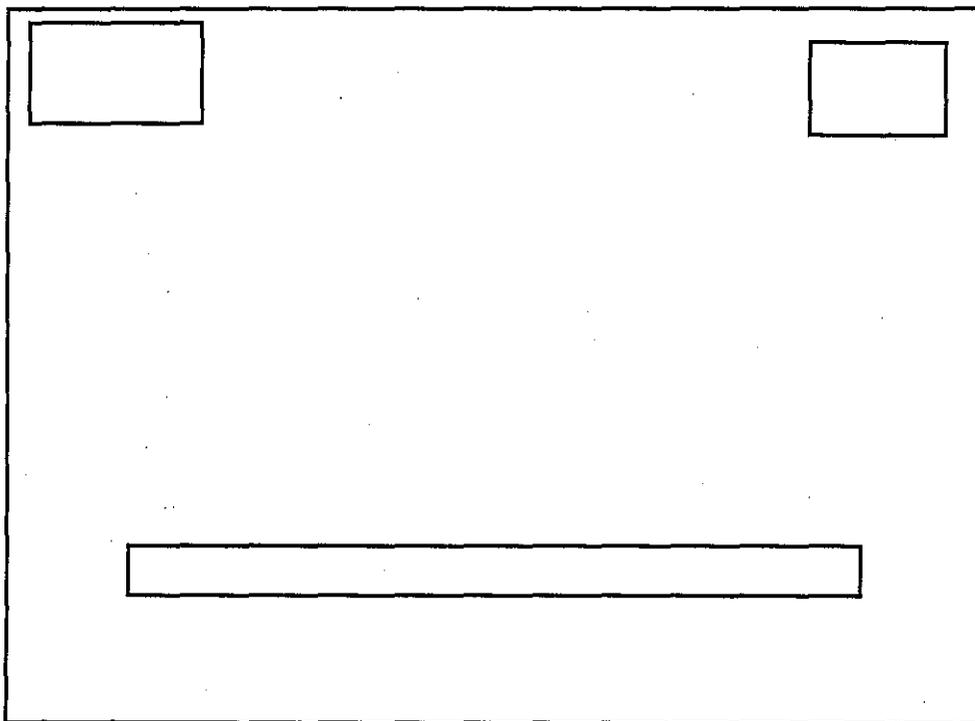


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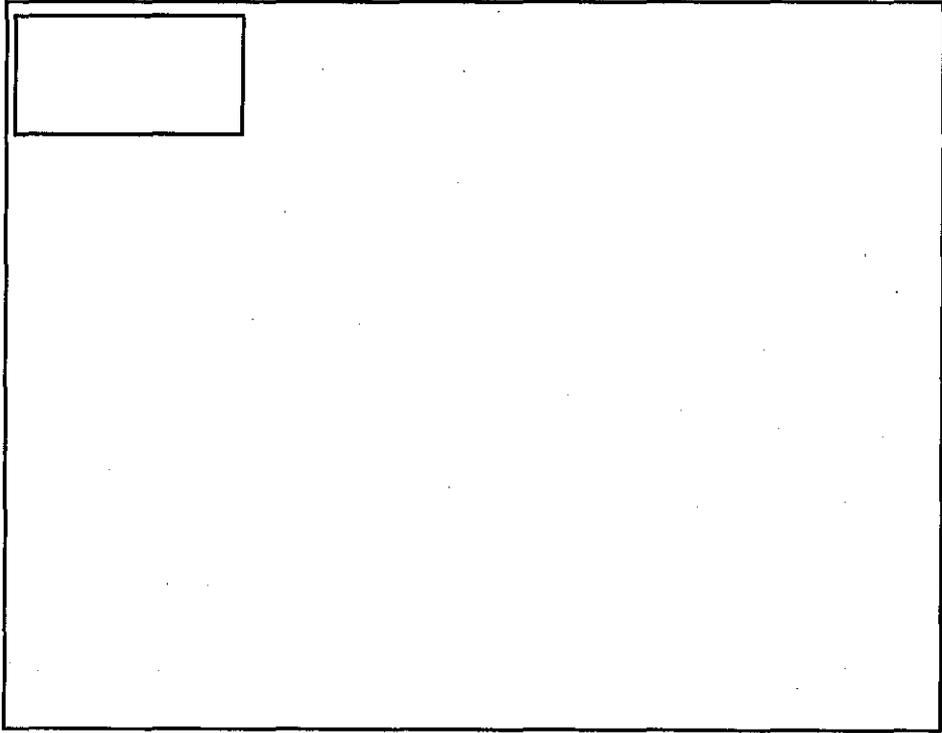
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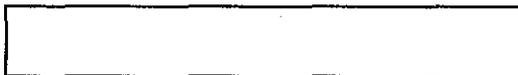




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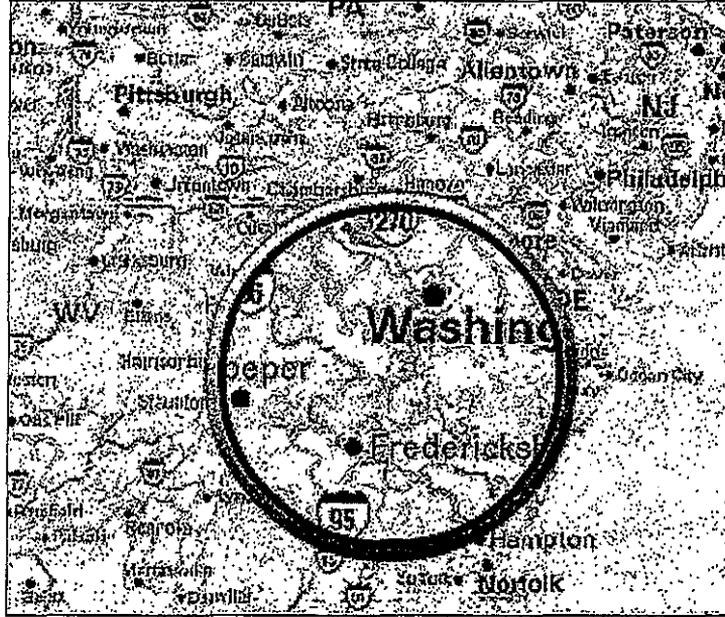
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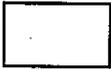
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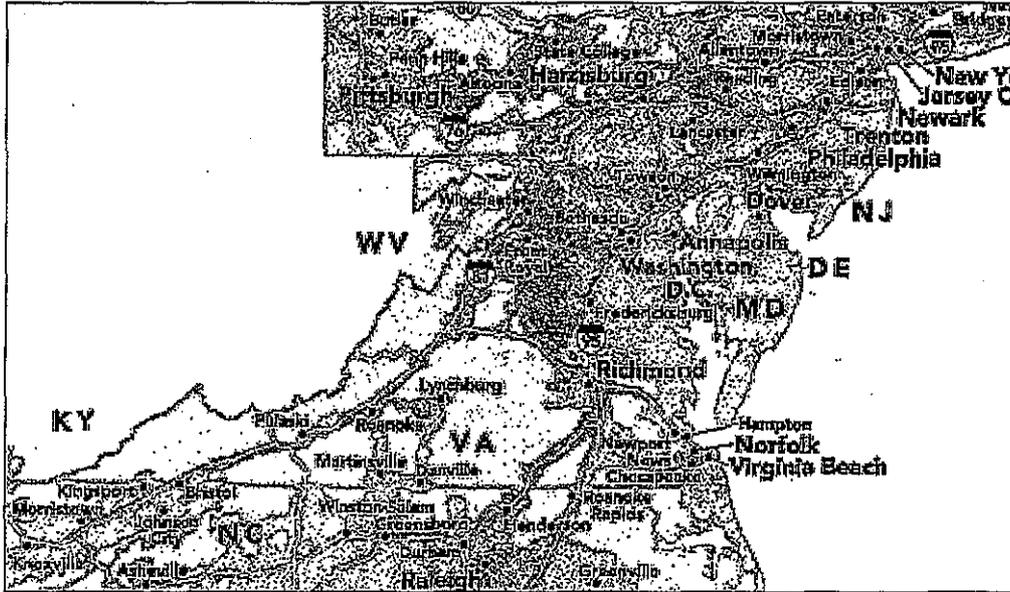


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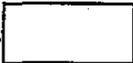
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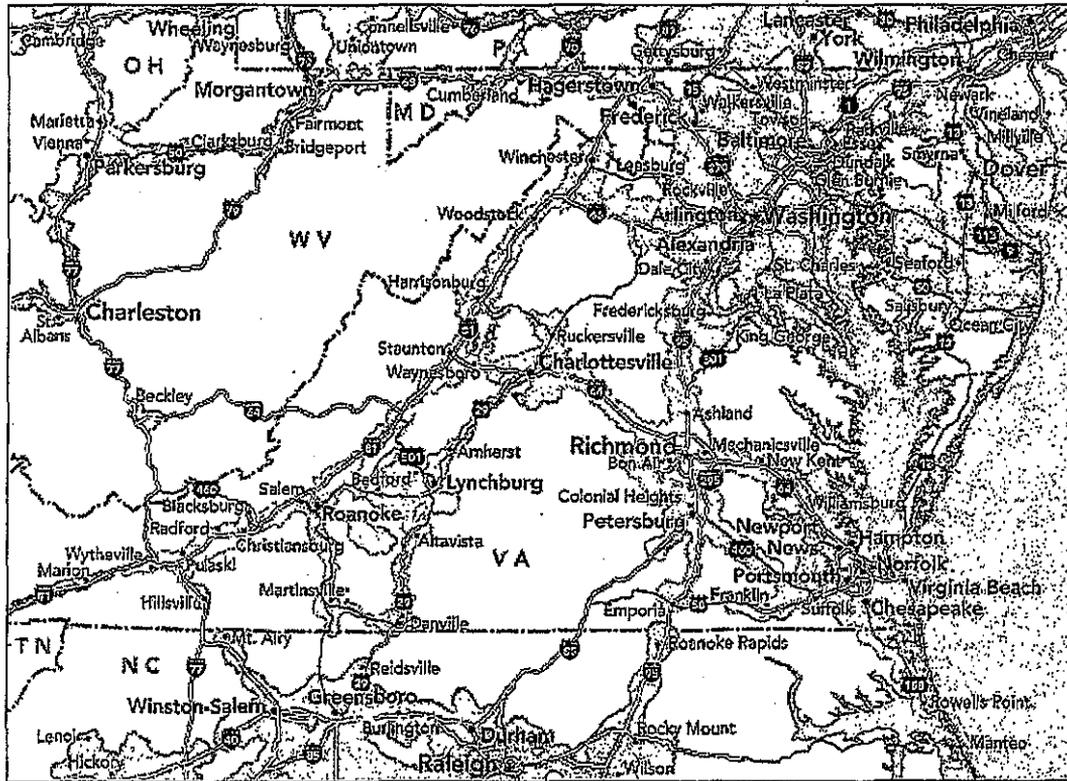
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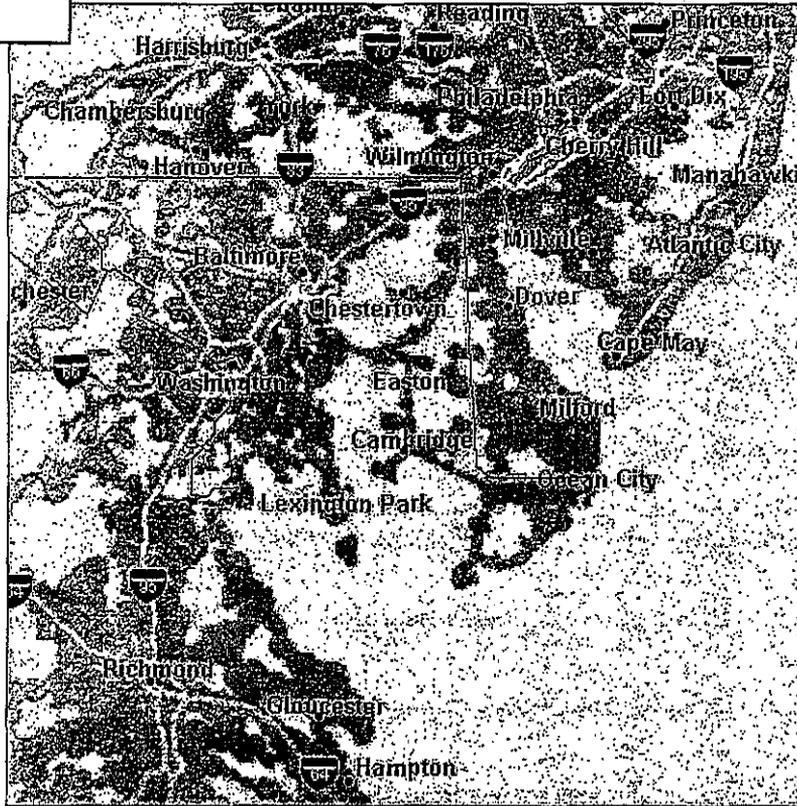
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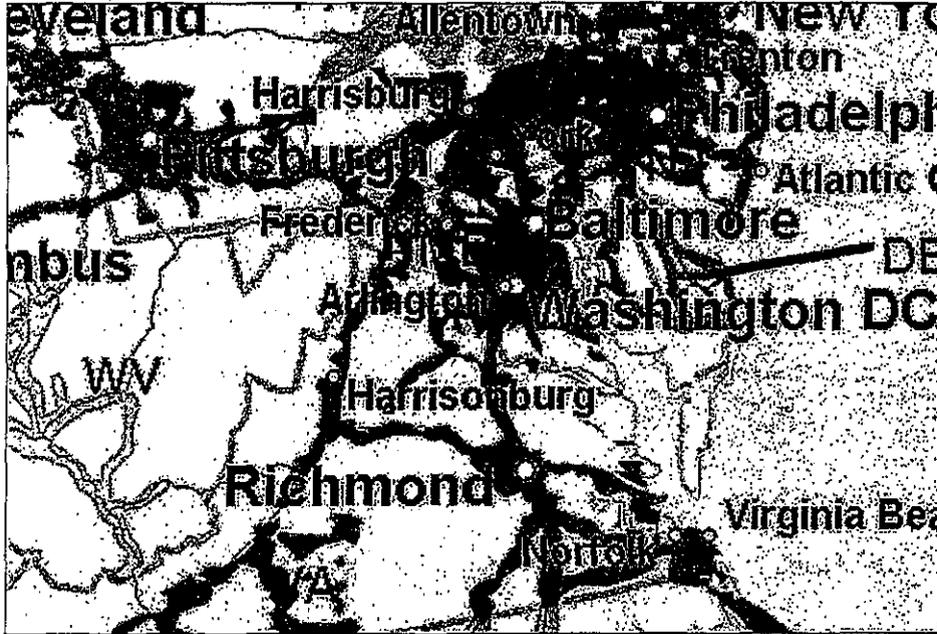
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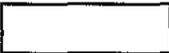
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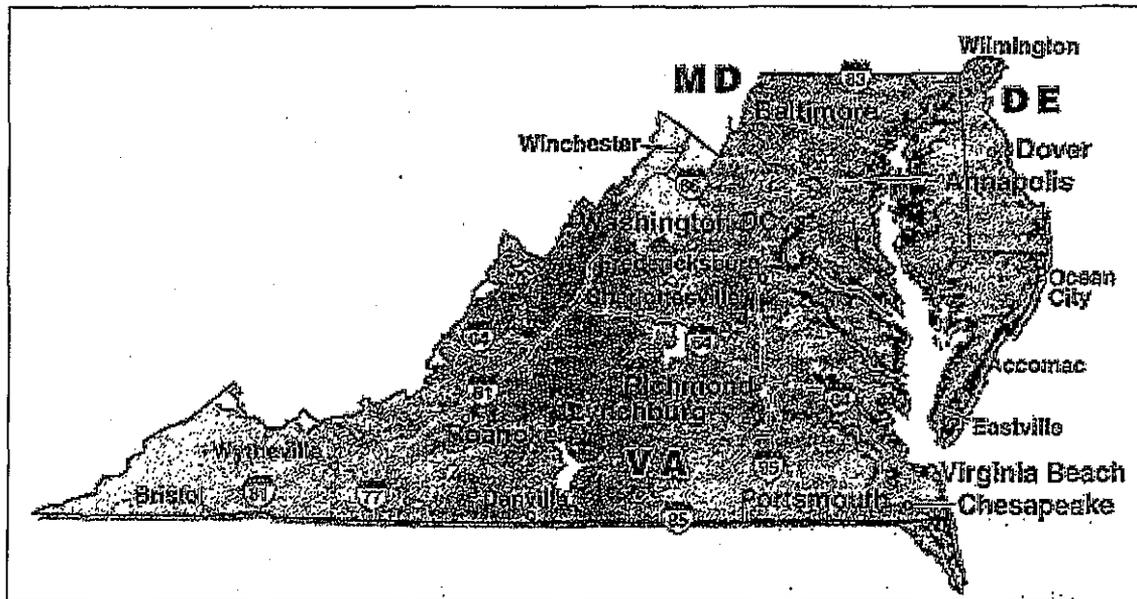


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