U.S. Department of Justice

Federal Bureau of Investigation

Washington, D.C. 20535

October 22, 2007

ESQ. MARCIA HOFMANN
ELECTRONIC FRONTIER FOUNDATION
454 SHOTWELL STREET
SAN FRANCISCO, CA 94110

Subject: SYSTEM DCS-3000 and RED HOOK

FOIPA No. 1056287- 000 and FOIPA#1056307-1

Dear Ms. Hofmann:

The enclosed documents were reviewed under the Freedom of Information/Privacy Acts (FOIPA), Title 5, United States Code, Section 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 Form OPCA-16a:

Section 552		Section 552a
☒(b)(1)	☐(b)(7)(A)	☐(d)(5)
☒(b)(2)	☐(b)(7)(B)	☐(j)(2)
☐(b)(3)_____	☒(b)(7)(C)	☐(k)(1)
_____	☒(b)(7)(D)	☐(k)(2)
_____	☒(b)(7)(E)	☐(k)(3)
_____	☐(b)(7)(F)	☐(k)(4)
☐(b)(4)	☐(b)(8)	☐(k)(5)
☒(b)(5)	☐(b)(9)	☐(k)(6)
☒(b)(6)		☐(k)(7)

909 **page(s)** were reviewed and 564 **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.

☐ You have the right to appeal any denials in this release. Appeals should be directed in writing to the Director, Office of Information and Privacy, U.S. Department of Justice,1425 New York Ave., NW, Suite 11050, Washington, D.C. 20530-0001 within sixty days from the date of this letter. The envelope and the letter should be clearly marked "Freedom of Information Appeal" or "Information Appeal." Please cite the FOIPA 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 yours,
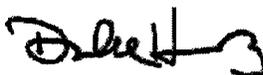
David M. Hardy
Section Chief
Record/Information
  Dissemination Section
Records Management Division

Enclosure(s)

Please be advised that this is the sixth interim release as ordered by the court on May 7, 2007 for documents concerning surveillance systems known as DCS-3000 and Red Hook.

The first page of this correspondence reflects that 909 pages were reviewed for this release. There were actually 1,209 pages reviewed, however, after a review by the technical operations group that manages the system, they determined that 300 pages of this material was not responsive to the request.

A decision has not been made concerning your request for a waiver of fees. We will be corresponding with you concerning that request in the near future. In the interim, we are providing you with the enclosed documents. Pursuant to Title 28, Code of Federal Regulations, Section 16.11, there is a fee of ten cents per page for duplication. No fees are assessed for the first 100 pages. If it is determined that you do not qualify for a fee waiver, duplication fees will be assessed accordingly.

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.

Freedom of Information
and
Privacy Acts

FOIPA# 1056287 and FOIPA#1056307-1

Subjects: DCS-3000 and RED HOOK

File Number: ADDITIONAL CD MATERIAL

Section: 3

Federal Bureau of Investigation

Serial Description ~ COVER SHEET

Total Deleted Page(s) ~ 339

Page 1 ~ b2, b6, b7C, b7E
Page 2 ~ b2, b6, b7C, b7E
Page 3 ~ b2, b6, b7C, b7E
Page 4 ~ b2, b6, b7C, b7E
Page 5 ~ b2, b6, b7C, b7E
Page 6 ~ b2, b6, b7C, b7E
Page 7 ~ b2, b6, b7C, b7E
Page 8 ~ b2, b6, b7C, b7E
Page 9 ~ b2, b6, b7C, b7E
Page 10 ~ b2, b6, b7C, b7E
Page 11 ~ b2, b6, b7C, b7E
Page 12 ~ b2, b6, b7C, b7E
Page 13 ~ b2, b6, b7C, b7E
Page 14 ~ b2, b6, b7C, b7E
Page 15 ~ b2, b6, b7C, b7E
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Page 337 ~ b2, b6, b7C, b7E
Page 338 ~ b2, b6, b7C, b7E
Page 339 ~ b2, b6, b7C, b7E

Freedom of Information
and
Privacy Acts

FOIPA# 1056287 and FOIPA#1056307-1

Subjects: DCS-3000 and RED HOOK

File Number: DIVISION DOCUMENTS

Section: 16

Federal Bureau of Investigation

FEDERAL BUREAU OF INVESTIGATION
FOIPA
DELETED PAGE INFORMATION SHEET

Serial Description ~ COVER SHEET

Total Deleted Page(s) ~ 5
Page 245 ~ Duplicate DUPE TO SERIAL 414
Page 246 ~ Duplicate DUPE TO SERIAL 414
Page 247 ~ Duplicate DUPE TO SERIAL 414
Page 248 ~ Duplicate DUPE TO SERIAL 414
Page 249 ~ Duplicate DUPE TO SERIAL 414

FEDERAL BUREAU OF INVESTIGATION

Precedence: ROUTINE   Date: 12/02/1998

To: Laboratory   Attn: Mr. McDevitt, QT-ERF

From: Laboratory
      Electronic Surveillance Technology Section/CIMU/QT-ERF
      Contact: [   ] (703) [   ]

Approved By: McDevitt Michael

Drafted By:

                                                        b6
                                                        b7C

Case ID #: 269-HQ-1194267   (Pending)

Title: DIGITAL DELIGHT
       TRAVEL TO PITTSBURGH, PENNSYLVANIA TO INSTALL DCS3000
       COLLECTION SYSTEM

Synopsis: To report travel to Pittsburgh, Pennsylvania on
11/22-25/1998 to install a DCS3000 collection system.

b2
b6
b7C
b7E

Details: Electronics Technicians (ETs)[   ]
[   ] traveled to Pittsburgh, Pennsylvania on
11/22-25/1998 to install a DCS3000 collection system. The
installation of the system was without incident, however, the
system failed to collect the target's pen register information.
ETs[   ] discovered during troubleshooting that the
information being sent from the [   ] switch to the DCS3000 was
in an incompatible format. [   ] had failed to
inform the Pittsburgh Division of a switch software upgrade
installed by [   ] during the week of 11/16/1998.

     ETs[   ] hastily developed a [   ]
[   ] application for the purpose of collecting call
information from [   ] switch. ETs[   ]
collected 1.44M of sample call data from the [   ]
utilizing a test phone and simulating multiple call scenarios.
The sample call data was returned to Quantico so EST-3 could
develop a software 'patch' for the DCS3000 collection system.

                                                        b2
                                                        b6
                                                        b7C
                                                        b7E

     The [   ] application developed by ETs[   ]
[   ] is currently being used as an interim collection system
while Pittsburgh Division awaits the delivery of the DCS3000
software "patch".

#1056782-000

UPLOADED BY SDH 12/7/98

IEQ #

ISR TASK AUTHORIZATION

[____] – *Modify* [____] *to work with* [____] *Interface*

Customer Request ID: _____
Contract Number: _____Proposed_____
ISR Task Number: _____2-101-03_____

Statement of Problem: [____] supports only one instance of [_____] and does NOT possess an interface for the purpose of receiving and displaying DCS3000 (switch) information that is received 'real-time' from the Central Monitoring Plant (CMP).

Proposed Solution: POC: [_____] Laboratory testing conducted by TICTU personnel ET [____] [____] and EE [____] uncovered a 'glitch' in [____] ability to simultaneously display multiple instances of [_____] information. [____] will display the correct geographical coordinates of multiple instances o [____] data - this is NOT the problem. The problem occurs when a user attempts to include multiple instances of [____] assigned for use with multiple instances of [_____]

It appears that a [_____] instance is automatically 'linked' to the [____] instance that is designated a [____] Therefore ALL subsequent [_____] instances 'track' on the coordinates of the [_____] instance that is designated as [____] The user is unable to independently assign a [_____] instance with an [____] instance and ultimately sees multiple Line-Of-Bearing/Signal Strength Circle displays all associated with the [____] instance designated as [____]

[____] ability to properly display the correct Line-Of-Bearing/Signal Strength Circle is NOT an issue. Testing verified that [____] DID display the correct information - but only at the wrong [____] instance.

(Note: Any issue regarding the [_____] Range Table or suggested use of multiple Range Tables shall be ignored! All [_____] instances will utilize the SAME Range Table.)

PROPOSAL: Modify [____] so that it supports multiple instances of [_____] (i.e.. have the ability to designate [_____]
[_____]

PROBLEM: [____] does NOT possess an interface for the purpose of receiving and displaying DCS3000 (switch) information that is received 'real-time' from the Central Monitoring Plant (CMP).

PROPOSAL: Develop a DCS interface which will accept ASCII data consisting of Call Detail Channel information and carriage return/line feed delimiters that [_____]
[_____] The ASCII information will be displayed in a [_____] automatically to display the most recent data. When the DCS interface receives an ASCII string that contains the [____] character string, [____] will automatically display [_____] coordinates.

PAGE 5

PROPOSED ADDITIONS [   ] SOFTWARE APPLICATION

b2
b7E

PROBLEM: [   ] does NOT possess an interface for the purpose of receiving and displaying DCS3000 (switch) information that is received 'real-time' from the Central Monitoring Plant (CMP).

PROPOSAL: Develop a DCS interface which will accept ASCII data consisting of Call Detail Channel information and carriage return/line feed delimiters that [   ] The ASCII information will be displayed in a [   ] automatically to display the most recent data. When the DCS interface receives an ASCII string that contains the [   ] character string, [   ] will automatically display [   ] coordinates.

b2
b7E

b2
b7E

06/19/01

Here's a diagram depicting the ▭ /DCS3000 driver in operation...

A 'beta' driver is expected to be available within 2 weeks. This will allow evaluation and us to perform testing on 'our' custom app to perform data mux and demux. Our initial efforts will focus on those areas depicted with the Green, Red, Fuchsia and heavy Black arrows. If favorable results are achieved, phase 2 will be to focus on those areas depicted by the Orange and Blue arrows.

b2
b7E

(3)

b2
b7E

06/19/2001
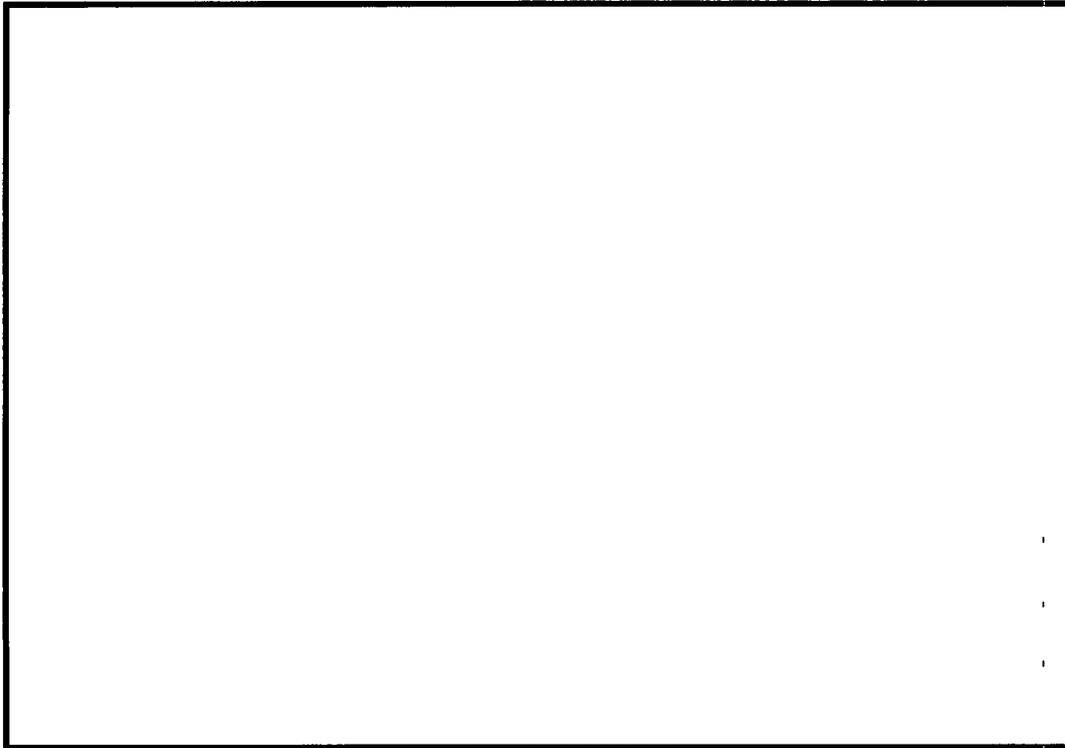
2. SCOPE

b2
b7E

The overall mission for surveillance van integration is to enhance cell tracking capabilities by leveraging a wireless link to acquire real time pen register data to integrate with tracking applications, GPS van location readings, and cellular surveillance data. This document defines the minimum functional and performance requirements to integrate elements within Wireless Intercept and Tracking Team's (WITT) [REDACTED] and to interface these vans to associated external systems, referred to as [REDACTED]

Because implementation of all requirements at once would delay the availability of initial functionality, the requirements are broken into two categories. The <u>Complete</u> category in the second column define the full set of requirements for an ideal solution to be implemented·in further stages (see Figure 1).

b2
b7E

**SWITCH-BASED
INTERCEPT
(DCS3000 & CCU)**
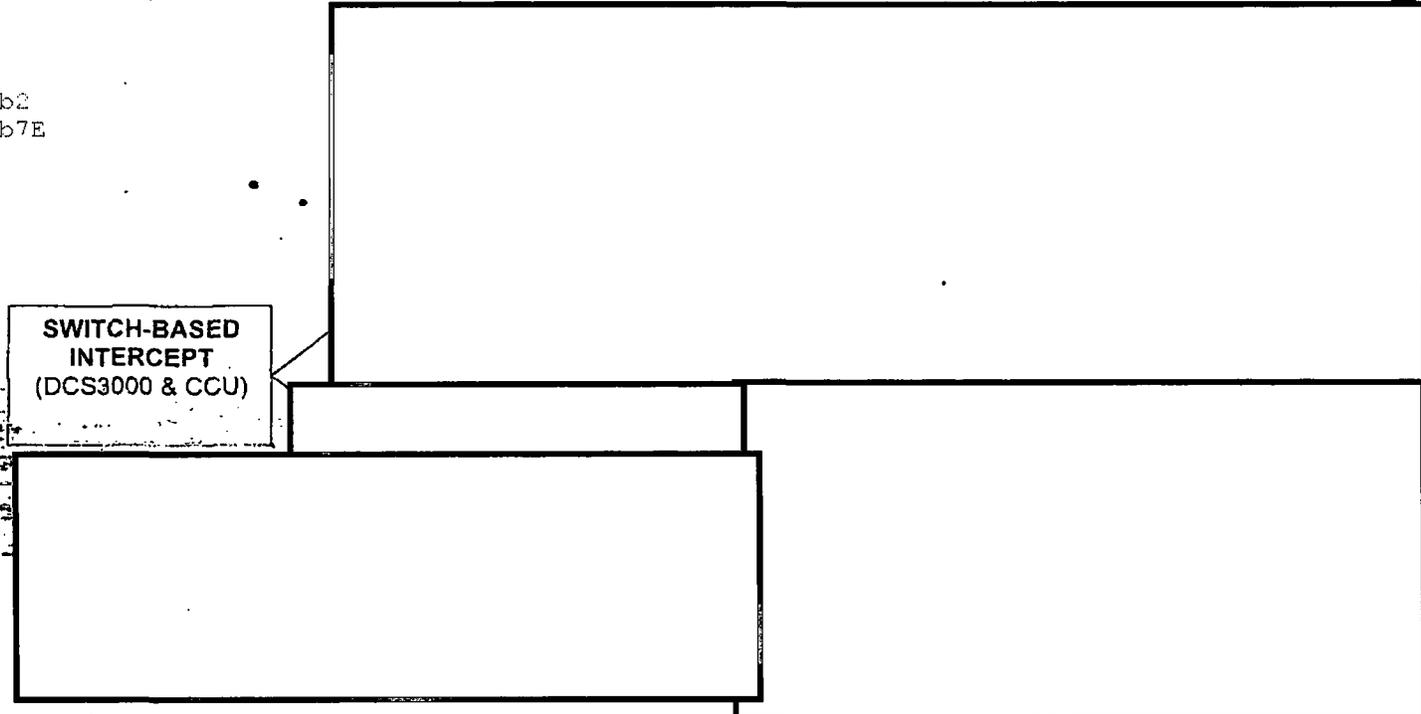
Figure 1: High Level Architecture (Complete Solution)

The <u>Initial</u> category in the first column of the requirements tables defines the core requirements for an interim solution intended to be released during 3Q04 (see Figure 2). This solution is based on existing capabilities and solutions available from core elements. Surveillance equipment will operate independently of any other systems, and tracking software may include independent operation of [REDACTED] applications. The cell phone controller software likely will be a value added feature purchased with the cellular data terminal. Minimal development will be required to introduce core functionality into a Central Command and Control Unit, and many elements will be integrated for the first time.

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b7E

4

2.2 [redacted]

The [redacted] (see Figure 4) leverages a collection platform whose development is managed by The Switched Based Intercept Team (SBIT). This system, the DCS3000, is a switch-based surveillance collection system that gathers CALEA data for presentation to law enforcement. The Central Command and Control Unit (CCU) will be developed as a distribution element for selecting, formatting, translating and routing of data from the DCS3000 and among the field deployed equipment.

b2
b7E

DCS3000

Figure 4: [redacted]
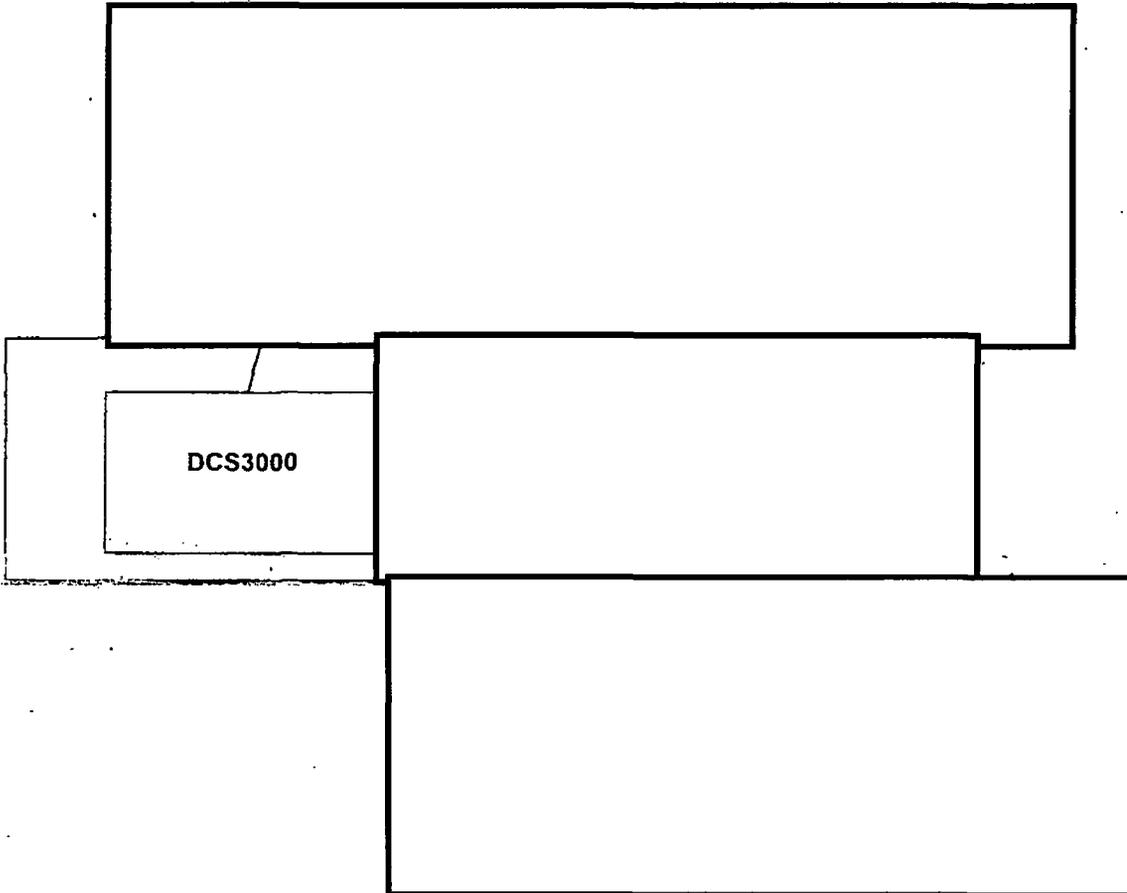
Number	Initial	Complete
1.3-5	b2 b7E	
1.3-6		
1.3-7	Event-based time stamps shall derive from the DCS3000's collected IAP data	

3.1.4. Tracking Application(s)

Number	Initial	Complete
1.4-1		
1.4-2		
1.4-3		
1.4-4		

b2
b7E

Number	Initial	Complete
2-3	The Mobile Data Terminal shall meet appropriate FBI security polity	

b2
b7E

3.3.TERRESTRIAL SYSTEM

Terrestrial system requirements cover the DCS3000, CCU, and wireless data network.

3.3.1. DCS3000

Number	Initial	Complete
3-1	The DCS3000 shall use a standard interface to output data	
3-2	The DCS3000 shall allow custom configuration of standard interface parameters, such as baud rate (between 1200 and 19.6k), parity, and start/stop bit; this shall be manageable from a GUI	The DCS3000 should allow autobaud configuration
3-3	The DCS3000 shall allow multiple cases to operate simultaneously and without interference	
3-4	The DCS3000 shall be capable of outputting real time collected pen register data • • •	The DCS3000 shall be capable of outputting all real time collected pen register data • •
3-5		The DCS3000 shall be capable of
3-6	Security? (application-level end to end, such as bit shuffling and reverse ordering)	Security? (application-level end to end, such as PKI)

Several existing design characteristics for the DCS3000 will need to be considered for an initial
integration effort:

b2
b7E

- The DCS3000 allocates one comm port per case
- An unlimited number of [ ] can be added and configured
- Current [ ] provide real [ ]
- An additional [ ] can be configured to provide cell face
- The DCS3000 [ ] transmits over an [ ] port with the [ ] line cut to ensure proper security
- Data is formatted in coordination with the design for [ ]
- The DCS3000 Tracker feature will enable a dump of selected surveillance data to be passed real-time to the associated comm port

Number	Initial	Complete
4.1-5 b2 b7E	The CCU interface to the DCS3000 shall allow custom configuration of standard interface parameters, such as baud rate (between 1200 and 19.6k), parity, and start/stop bit; this shall be manageable from a GUI	The CCU should allow autobaud configuration
4.1-6	The CCU shall ensure the identity (e.g., login, caller ID) of any user attempting access or responding to calls from the CCU, consistent with FBI security guidelines	**GUIDELINES SHOULD INCREASE AS THE SCOPE OF DCS MESSAGING INCREASES**
4.1-7	The CCU shall ensure that data transmitted to and received from users are encrypted sufficiently to meet FBI security guidelines	**GUIDELINES SHOULD INCREASE AS THE SCOPE OF DCS MESSAGING INCREASES**
4.1-8	The CCU shall provide a means to configure, view, and manage interfaces with and between the DCS3000 and wireless data networks, including case numbers, ports, routing tables, and means of interconnect (e.g., dial-out numbers)	
4.1-9	The CCU shall enable mobile users (e.g., vans) to receive associated real-time and non-real-time data by dial-in or dial-out means	
4.1-10		The CCU should connect via VPN t wireless data networks to enable "always on" service

4.1-11		The CCU shall incorporate a means to provide stored log file data to mobile users automatically and when requested, depending on the mobile user's configured profile; the quantity and parameters of the data shall be selectable by the mobile user or pre-configurable in the CCU's mobile user profile configuration. Envisioned steps include
		  • Most recent
		  • Last minute
		  • Last 5 minutes
		  • Last 15 minutes
		  • Last hour
		  • Last 8 hours
		  • Last 24 hours
		  • All

option years which could be exercised at the discretion of the
FBI. At this time, the FBI is negotiating a new multi-year
contract, Reference FD-369 #850987, dated 01/31/2001.

        The Physical Surveillance Unit, Radio Surveillance Aids
has an established standard in place for performing computer
generated mapping. This system is known internal to the FBI as
[   ] A standardized mapping system reduces the amount of
training required for field personnel and increases their
proficiency and efficiency as they are not required to learn a
whole new mapping system with the introduction of each new
tracking device. Not only are all FBI field offices using the
Wintrack mapping system, the [   ] system software is
installed on all new agents' laptop computers. The FBI has a
multi-user license agreement with ISR which states that an
unlimited number of copies can be distributed throughout the FBI
for use by FBI personnel.   b2
                                                                   b7E

        The [   ] system is used to display latitude and
longitude (lat/long) locations from FBI Global Positioning System
(GPS) tracking devices as well as the estimated lat/long position
of a target transmitter. This lat/long position is calculated
using line-of-bearing information and received signal strength.
The TICTU would like to leverage upon these existing capabilities
and update and enhance the [   ] system software to include a
new data interface for their DCS3000 switch-based collection
system. This new data interface will display the GPS location of
a serving cellsite tower and will include a 'real-time' display
of call detail information received from the DCS3000 system.

        It is requested that the pending contract be increased
by $34,066 to address the need for these services. Funding for
this request is available under Budget Item 2580JM, Spend Code
WLS201.

2

                                                                   b2
                                                                   b7E

[_____] (OTD) (FBI)   b6
         b7C

From: [_____] (ITD) (FBI)
Sent: Monday, November 08, 2004 2:21 PM
To: [_____] (ITD) (CON)
Subject: RE: Nov 17 EOSO Orientation

UNCLASSIFIED
NON-RECORD

Please contact [_____] Thanks, [_____]

-----Original Message-----   b6
From: [_____] ITD) (CON)   b7C
Sent: Monday, November 08, 2004 1:22 PM
To: [_____] ITD) (FBI); [_____] (ITD) (FBI)
Cc: [_____] (ITD) (FBI); [_____] ITD) (CON)
Subject: Nov 17 EOSO Orientation

UNCLASSIFIED
NON-RECORD

                        b6
[_____] (confirmed schedule below)   b7C

[_____] ref: orientation presentation pending

Will you be able to present for the upcoming orientation. If not, can you advise of a recommended replacement.

Your involvement in the past has been an important factor to the overall success of the orientation and I hope that your schedule will allow you to participate again. The technology manager portion of the program is scheduled for Wednesday, 17 November from 1:45-2:45 and 3:00 to 4:00 (a short break scheduled between sessions). Please let me know if you (or a designated alternate) would be available.

Time	Session		
1:45 - 2:15	DCS3000	[_____]	(pending)
2:15 - 2:45		[_____]	(pending)
2:45 - 3:00	Break		
3:00 - 3:30	DCS5000	[_____]	(confirmed)
3:30 - 4:00	DCS6000	[_____]	confirmed)

                       b2
                       b6
                       b7C
                       b7E

Thanks in advance for your time. I look forward to your feedback regarding participation. Please call me with any questions you may have.

b6
b7C

Regards,
[_____]

Electronic Surveillance Operations Support Office (EOSO)
Electronic Surveillance Technology Section (ESTS)
Investigative Technology Division (ITD)
540[_____] (Desk)
540[_____] (Fax)

b2
b6
b7C

10/5/2006

[   ]OTD) (FBI)   b6
                                                    b7C

From: [   ]ITD) (FBI)
Sent: Wednesday, August 04, 2004 7:52 AM
To: [   ]ITD) (CON)
Subject: RE: EOSO Orientation   b6
                                          b7C

UNCLASSIFIED
NON-RECORD

Dea[   ]

Sorry... I will be on Leave 23-27 Aug.   b6
Hopefully (the often[   ]can provide his expertise on my behalf.   b7C
[   ]703[   ]

-----Original Message-----
From[   ](ITD) (CON)
Sent: Tuesday, August 03, 2004 3:35 PM
To: [   ](ITD) (FBI) [   ]ITD) (FBI)[   ](ITD) (FBI)[   ]
[   ](ITD) (FBI)[   ](ITD) (FBI)[   ](ITD) (FBI)
CC: [   ](ITD) (CON)[   ](ITD) (CON)[   ](ITD) (FBI);   b6
[   ](ITD) (FBI)[   ](ITD) (CON)   b7C
Subject: EOSO Orientation

UNCLASSIFIED
NON-RECORD

Our next new employee orientation is quickly approaching. Your involvement in the past has been an important factor to the overall success of the orientation and I hope that your schedule will allow you to participate again. The technology manager portion of the program is scheduled on Wednesday, 25 August from 1:45-2:45 and 3:00 to 4:00 (a short break scheduled between sessions). Please let me know if you (or a designated alternate) would be available as noted below. Thanks in advance.

b2
b6
b7C
b7E

Time	Session	
1:45 - 2:15	DCS3000	[ ]
2:15 - 2:45	[ ]	
2:45 - 3:00	Break	
3:00 - 3:30	DCS5000	[ ]
3:30 - 4:00	DCS6000	

[   ]has done this for us previously. Please contact me at your convenience to discuss. Thanks again!

[   ]
Electronic Surveillance Operations Support Office (EOSO)
540[   ]

                                  b6
                                  b7C

UNCLASSIFIED

10/5/2006

b6
b7C

_____ (OTD) (FBI)

From: _____ ITD) (FBI)
Sent: Thursday, August 05, 2004 10:40 AM   b2
To: _____ (ITD) (FBI)   b7E
Subject: RE: Pen Register, [ ] Telephone Applications

SENSITIVE BUT UNCLASSIFIED
NON-RECORD

                         b6
                         b7C

FYI -   Boss - I will be on AL August 25, 26 and 27th.

-----Original Message-----
From _____ (ITD) (FBI)
Sent: Thursday, August 05, 2004 10:16 AM   b6
To _____ (OGC) (FBI)   b7C
Cc: _____ (SecD) (CON); _____ (ITD) (FBI); _____ (ITD) (FBI); _____ (ITD) (FBI); _____ (ITD) (FBI); _____ (ITD) (FBI); _____ (ITD) (FBI); _____ (ITD) (FBI)
Subject: Pen Register, [ ] Telephone Applications   b2
                                     b7E

SENSITIVE BUT UNCLASSIFIED
NON-RECORD

b6
b7C

I am _____ for the Telecommunications Intercept and Collection
Technology Unit (TICTU) at ERF. This unit is responsible for providing electronic surveillance equipment   b2
to all FBI field offices. This equipment ranges from the 1033 unit, the [ ] facsimile intercept equipment,   b7E
the DCS-3000 (switched based equipment), the DCS-5000 (FISA platform), and the DCS-6000 (criminal
platform). I am contacting you to schedule a meeting of all parties listed in the cc: (and any you deem
necessary) to meet here at ERF and work towards written guidance with the [ ] FISA incoming data and
what classification before telephone applications.

TICTU is currently receiving increased communications from the field offices as to the direction to follow. I
am providing two possible dates to meet: Thursday, August 26, at 10:00 a.m. or Friday, September 3rd at
10:00 a.m. Please advise of the date you prefer, and if additional information is needed before we meet. I
can be contacted via e-mail or by telephone 703[ ] I await your response.

                            b6
                            b7C

SENSITIVE BUT UNCLASSIFIED

SENSITIVE BUT UNCLASSIFIED

ALL INFORMATION CONTAINED
HEREIN IS UNCLASSIFIED
DATE 06-01-2007 BY 65179 DMh/TAM/KSR/JB

OTD) (FBI)

b6
b7C

From:	OTD) (FBI)
Sent:	Wednesday, March 22, 2006 10:53 AM
To:	OTD)(CON)
Subject:	FW: IT Information Request - Needed by Friday 3/24

SENSITIVE BUT UNCLASSIFIED
NON-RECORD

b6
b7C

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

From:	OTD) (FBI)
Sent:	Wednesday, March 22, 2006 8:59 AM
To:	(OTD) (FBI) (OTD) (FBI); (OTD) (FBI); (OTD) (FBI)
Cc:	(OTD) (FBI) (OTD) (FBI) (OTD) (FBI)
Subject:	FW: IT Information Request - Needed by Friday 3/24

SENSITIVE BUT UNCLASSIFIED
NON-RECORD

Please coordinate a response to

All, Please see below message and ascertain your costs associated with the listed systems/projects. Please provide this info to   by Thursday, 3/23/06.

Please assist   with a coordinated response to   Note deadline of 3/24/06. Reminders as necessary. Thanks.

Telecommunications Intercept and Collection Technology Unit (TICTU)
Electronic Surveillance Technology Section
Operational Technology Division
Quantico, Virginia
703

b6
b7C

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

From:	OTD) (FBI)
Sent:	Tuesday, March 21, 2006 4:11 PM
To:	(OTD) (FBI) (OTD) (FBI) (OTD) (FBI); (ITD) (FBI) (OTD) (FBI); (ITD) (FBI) (OTD)
Cc:	(ITD) (FBI) (OTD) (FBI); (ITD) (FBI); (OTD) (FBI); (OTD) (FBI) (OTD) (FBI)
Subject:	IT Information Request - Needed by Friday 3/24

SENSITIVE BUT UNCLASSIFIED
NON-RECORD

Marcus Thomas has asked that we determine the cost of the IT portions of the OTD collection systems listed on the OCIO master list of systems, applications, databases, and networks. For the systems/projects listed below, please determine or estimate as best you can the cost of the hardware, software, and the development work for the interface to the Trilogy network or other FBI IT infrastructure. This will help us separate the funding of National Security Systems that are not truly IT from IT systems, databases, applications and networks. Please provide an estimate by Friday 3/24.

EDMS - IT Interface
DCS 6000 - IT Interface
DCS 3000 - IT Interface
DCSNet (CALEA transport)

ALL INFORMATION CONTAINED
HEREIN IS UNCLASSIFIED
DATE 06-01-2007 BY 65179 DMH/TAM/KSR/JB

1

_____ (OTD) (FBI)

From: _____ OTD) (CON)
Sent: Wednesday, October 04, 2006 12:11 PM
To: _____ (OTD) (FBI) _____ (OTD) (FBI) _____ (OTD) (FBI) _____ (OTD) (CON); _____ (OTD) (CON) _____ (ITD) (CON) _____ (OTD) (FBI) _____ (OTD)(CON) _____ (AO) (CON) _____ (OTD) (CON) _____ (OTD) (FBI) _____ (OTD) (CON) _____ (OTD) (FBI) _____ (OTD)(CON) _____ (OTD)(CON) _____ (OTD) (FBI) _____ (OTD)(CON) _____ (OTD) (FBI); _____ (OTD) (CON); _____ (OTD) (CON); _____ (OTD)(CON) _____ (OTD)(FBI) _____ (OTD) (FBI) _____ (OTD) (CON) _____ (OTD) (FBI) _____ (OTD) (FBI) _____ (OTD) (FBI) _____ (OTD)(CON) _____ (OTD) (CON) _____ (OTD) (CON) _____ (OTD) (FBI); _____ (OTD) (FBI) _____ (OTD)(CON); _____ (OTD) (FBI) _____ (OTD) (FBI) _____ (ITD) (CON) _____ (OTD) (FBI) _____ (OTD)(CON); _____ (OTD) (CON); _____ (OTD) (FBI)

b6
b7C

Subject: FW: Immediate action required!

Importance: High

Follow Up Flag: Read
Flag Status: Flagged

UNCLASSIFIED
NON-RECORD

Please see _____ mail below. Thanks.

_____
OTD/ESTS/TICTU
703 _____

b6
b7C

-----Original Message-----
From: _____ OTD) (FBI)
Sent: Wednesday, October 04, 2006 11:02 AM
To: _____ OTD) (CON)
Subject: Immediate action required!
Importance: High

UNCLASSIFIED
NON-RECORD

b6
b7C

_____ - please forward to the Unit.

All,

In an effort to answer a FOIA request, I am requesting that all TICTU employees and contractors immediately do a word search of their e-mail system (active and archived records) for the term "DCS-3000" and "DCS 3000" and "DCS3000" (variations of the same term). If a document or e-mail is located print it and bring the hard copy to _____ for compilation.

I need this accomplished ASAP. If there is a negative response - I need that also.

1

MessageFrom[   ](ER) (CON)
Sent: Monday, May 10, 2004 12:01 PM
To:[   ](ER) (FBI):[   ](ER) (FBI)[   ]
[   ](ER) (FBI)[   ](ER) (FBI):[   ](ER) (CON)
Subject: RE: Applying Secret Stickers to[   ]Equipt at Installs

UNCLASSIFIED
NON-RECORD

Although ERF/DCSP/Raytheon can be delegated responsibility for ensuring stickers are applied, this task should really be done by the site. Systems don't become classified until the site starts to input information - sometimes months after the installation. Having other than site personnel responsible for marking systems/drives would be feasible only in cases when the system went classified during the install. It's an easy task to apply stickers to the outside of the "boxes", but each hard drive needs to be marked as well.

FYI - During the Fort Worth installation, I noticed that the hard drives that were pulled from the system - for shipping - didn't have any markings. They intended to wipe the drives and reuse in unclassified machines. I told them that the FBI's policy, as I know it today, is that the drives remain secret regardless of wiping procedures. This policy needs to be given to all DCSPs.

v/r,
[   ]

-----Original Message-----
From[   ](ER) (FBI)
Sent: Monday, May 10, 2004 8:39 AM
To:[   ](ER) (FBI):[   ](ER) (FBI):[   ](ER)
(FBI):[   ](ER) (CON):[   ](ER) (CON)
Subject: Applying Secret Stickers to[   ]Equipt at Installs

UNCLASSIFIED
NON-RECORD

Gang,

While visiting San Juan last week, I noticed that there weren't any "SECRET" stickers applied to any of the[   ]equipt. That would include the FAS, the[   ]and the DCS-5000 half-rack system. Also, there is a need to install a large UPS for the DCS-3000 One Way Push machines (2) and the[   ]

SECRET

OTHER out of scope
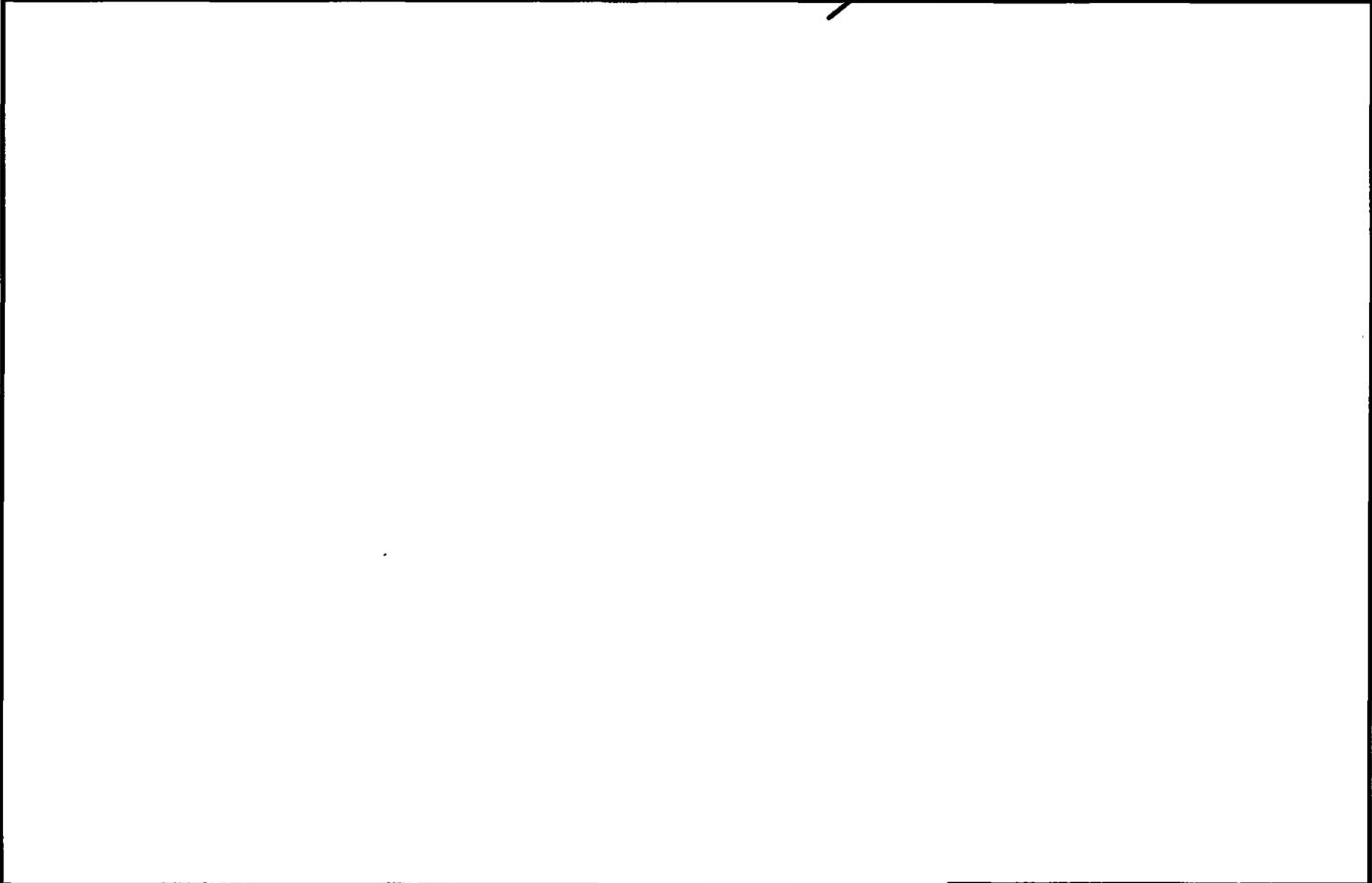
Assumed that Raytheon does this
is and SLA in place with the DCS-
3000 team? Is an SLA in place with
Trilogy networks

03/03/04

SECRET

Version 1.0

DCS-3000

b2
b7E

(Rev. 01-31-2003)

FEDERAL BUREAU OF INVESTIGATION

Precedence: ROUTINE   Date: 05/13/2005

To: Finance   Attn: [ ]
                                           Room 8504 (Enc)

      Criminal Investigative   Attn: [ ]
                                           Room 5155

From: Operational Technology   b6
       Electronic Surveillance Technology Section/TICTU/QT-ERF   b7C
         Contact: [ ]   703 [ ]

Approved By: [ ]
             Thomas Marcus C

Drafted By: [ ]   b2
                                                                    b7E
Case ID #: 269-HQ-1194267-

Title: DCS-3000

Synopsis: Approve the purchase of 100 each [ ]
[ ] everything modems to support the DCS-3000 program.

Enclosure(s): FD-369. #E001606 in the amount of $22,781.00 and
quotes from [ ]   Mission Critical Needs Statement.

Details: The Telecommunications Intercept and Collection
Technology Unit (TICTU) is the primary development, deployment,
and support unit for switch-based telecommunications intercepts.
The TICTU supports criminal, national security, and foreign
counterintelligence investigations utilizing telecommunications
intercept techniques. To perform the operations involving Title
III, Title 50 court ordered surveillance, and the DCS-5000
program, TICTU must be able to provide support in a timely
manner.

          Attached is requisition #E001606, in the amount of
$22,781.00 for the procurement of 100 each [ ]
[ ] everything modems.

                              b2
                              b7E

UPLOADED   b2
                 b7E
MAY 2 4 2005

S.D.1

        The requested equipment is required to support switch-based intercepts for national security investigations. This equipment will be used to egress Communications Assistance for Law Enforcement Act (CALEA) data in support of electronic surveillance (ELSUR) operations. The equipment will be integrated with the FBI's DCS-3000 systems.

        Funding in the amount of $22,781.00.00 is available from Subobject Classification 573109, Budget Item JM.

b2
b7E

Mission Critical Needs Statement

The Telecommunications Intercept and Collection Technology
Unit (TICTU) is responsible for the development, deployment, and
support of access and collection technologies to perform
lawfully authorized electronic surveillance of
telecommunications services. The TICTU is engaged in a number
of rapidly developing and changing telecommunications activities
and projects that require program planning, requirements
development, development, deployment, support of collection
systems, and industry liaison and coordination support. In
order to accomplish its mission, the TICTU requires the
continued support and augmentation of its current capabilities.

The requested equipment is required to support switch-based
intercepts for national security investigations. This equipment
will be used to egress Communications Assistance for Law
Enforcement Act (CALEA) data in support of ELSUR collections.
The equipment will be integrated with the FBI's enterprise
collections system (DSC-3000) to support collections.

Please process the attached requisition on an "urgent and
compelling need" basis so that the necessary critical
engineering services may continue without interruption.

Approval

_____Kerry E. Haines_____   _23 May 05_
OTD Assistant Director   Date

429

FEDERAL BUREAU OF INVESTIGATION

Precedence: ROUTINE   Date: 05/13/2005

To: Finance   Attn: [   ]
                                      Room 8504 (Enc)

    Criminal Investigative   Attn: [   ]
                                      Room 5155

From: Operational Technology
      Electronic Surveillance Technology Section/TICTU/QT-ERF
          Contact: [   ] 703[   ]

Approved By: [   ]
             Thomas Marcus C
             Clifford Michael Jr

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Drafted By: [   ]

Case ID #: 269-HQ-1194267-411

Title: DCS-3000

Synopsis: Approve the purchase of 50 each [   ] and
50 each [   ] converter to support the DCS-3000
program.

Enclosure(s): FD-369, #E001607 in the amount of $87,200.88 and
quote from CDWG, IT Acquisition Form, Mission Critical Needs
Statement.

Details: The Telecommunications Intercept and Collection
Technology Unit (TICTU) is the primary development, deployment,
and support unit for switch-based telecommunications intercepts.
The TICTU supports criminal, national security, and foreign
counterintelligence investigations utilizing telecommunications
intercept techniques. To perform the operations involving Title
III, Title 50 court ordered surveillance, and the DCS-3000
program, TICTU must be able to provide support in a timely
manner.

        Attached is requisition #E001607, in the amount of
$87,200.88 for the procurement of 50 each [   ] and 50
each [   ] converter. The systems will be modified to

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UPLOADED

MAY 1 8 2005

S.D.J

meet the programs specifications.   As the units are completed,
the systems will be deployed to the field offices as needed.

        The requested equipment is required to support switch-
based intercepts for national security investigations.   This
equipment will be used to access and intercept call content data
from Commuications Assistance for Law Enforcement Act-compliant
switches.   The equipment will be integrated with the FBI's
enterprise collections system (DSC-3000) to support collections.

        Funding in the amount of $87,200.88 is available from
Subobject Classifications 573109 and 552580, Budget Item JM.

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FEDERAL BUREAU OF INVESTIGATION

Precedence: ROUTINE   **Date:** 05/05/2005

To: Finance   **Attn:** [REDACTED]
                                    QT-ERF (Enc)

    Criminal Investigative   **Attn:** [REDACTED]   b6
                                    Room 5155   b7C

From: Operational Technology
      Electronic Surveillance Technology Section/TICTU/QT-ERF
      Contact: [REDACTED] 703-[REDACTED]

Approved By: [REDACTED]
    Thomas Marcus C
    Clifford Michael Jr
    [REDACTED]
    [REDACTED]
    [REDACTED]

Drafted By: [REDACTED]   b2
                                                         b7E

Case ID #: 269-HQ-1194267-410

Title: DCS-3000

Synopsis: Approve the purchase of 43 each TS250 ISDN Test Sets to support the DCS-3000 program.

Enclosure(s): FD-369, #E001555 in the amount of $75,449.52 and quotes from [REDACTED]

Details: The Telecommunications Intercept and Collection Technology Unit (TICTU) is the primary development, deployment, and support unit for switch-based telecommunications intercepts. The TICTU supports criminal, national security, and foreign counterintelligence investigations utilizing telecommunications intercept techniques. To perform the operations involving Title III, Title 50 court ordered surveillance, and the DCS-3000 program, TICTU must be able to provide support in a timely manner.

    Attached is requisition #E001555 in the amount of   b2
$75,449.52 for the procurement of 43 each [REDACTED]   b7E

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FEDERAL BUREAU OF INVESTIGATION

Precedence: DEADLINE 04/15/2005   **Date:** 03/25/2005

To: Albany   **Attn:**
Anchorage
Baltimore
Buffalo
Boston
Chicago
Cincinnati
Cleveland
Detroit
Indianapolis
Kansas City
Louisville
Minneapolis   b6
Milwaukee   b7C
Norfolk
New Haven
Newark
New York
Omaha
Portland
Pittsburgh
Philadelphia
Richmond
Seattle
Springfield
St. Louis
Salt Lake City
WFO

From: Operational Technology
Electronic Surveillance Technology Section/TICTU/QT-ERF
Contact: [_____] 703-[_____]

Approved By: [_____]
Thomas Marcus C [_____]   b6
[_____]   b7C
[_____]

Drafted By: [_____]

Case ID #: 269-HQ-1194267—409

Title: DCS-3000

ALL INFORMATION CONTAINED
HEREIN IS UNCLASSIFIED
DATE 06-01-2007 BY 65179 DMH/TAM/KSR/JB

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APR 1 1 2005

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(Rev. 01-31-2003)

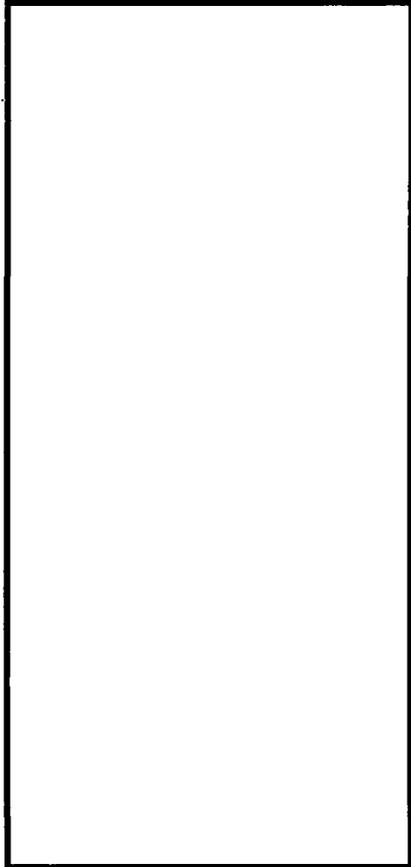# FEDERAL BUREAU OF INVESTIGATION

Precedence: DEADLINE 04/15/2005   **Date:** 03/24/2005

To: Albany
    Anchorage
    Baltimore
    Buffalo
    Boston
    Chicago
    Cincinnati
    Cleveland
    Detroit
    Indianapolis
    Kansas City
    Louisville
    Minneapolis
    Milwaukee
    Norfolk
    New Haven
    Newark
    New York
    Omaha
    Portland
    Pittsburgh
    Philadelphia
    Richmond
    Seattle
    Springfield
    St. Louis
    Salt Lake City
    WFO

Attn:

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From: Operational Technology
    Electronic Surveillance Technology Section/TICTU/QT-ERF
      Contact: SSA [   ] 703-[   ]

Approved By: [   ]

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Drafted By: [   ] bic

Case ID #: 269-HQ-1194267-408

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Title: DCS-3000

ALL INFORMATION CONTAINED
HEREIN IS UNCLASSIFIED
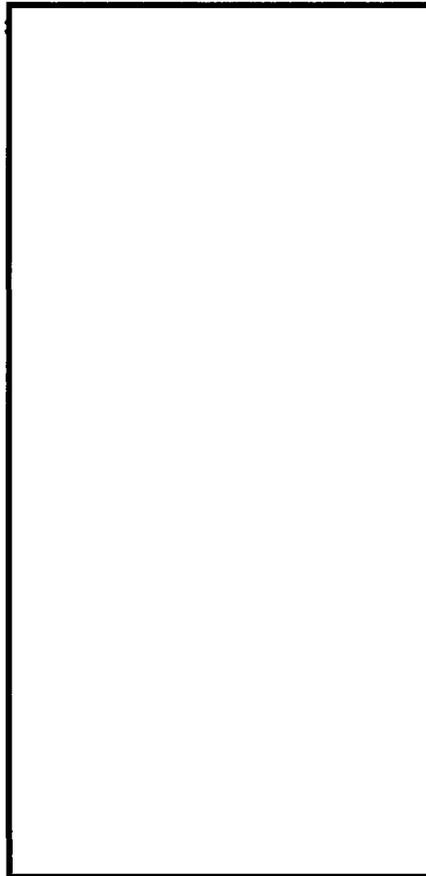DATE 06-01-2007 BY 65179 DMH/TAM/KSR/JB

UPLOADED

MAR 3 0 2005

S.D.J

Synopsis: To advise of a Telecommunications Intercept and Collection Technology Unit (TICTU) training seminar to be held in Kansas City, Missouri.

Details: The TICTU will conduct a three-day seminar on switch-based intercept concepts and methods in Kansas City, Missouri during 05/24/2005-05/26/2005.   The seminar is designed for Technically-Trained Agents (TTAs) and support personnel who routinely use collection equipment supported by TICTU.   The seminar will provide training on new DCS-3000 features and updates on many issues related to switch-based electronic surveillance.   Additionally, the participants will acquire a current overview of the Communications Assistance for Law Enforcement Act (CALEA) compliant solutions that telecommunication carriers use, and an updated description of the techniques developed by TICTU to provide intercept capabilities for these carriers' solutions.

This training has been coordinated with the Technical Personnel Development Unit and is being held on a regional basis to minimize travel expenses. An ITAR number will follow at a later date.

Based on TICTU experience working with the field offices, it would be most beneficial for the following personnel to attend the seminar:

Field Office	Attendees
Albany	
Anchorage	
Baltimore	
Buffalo	
Boston	
Chicago	
Cincinnati	
Cleveland	

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From: Operationa: Technology

Field Office	Attendees
Detroit	
Indianapolis	
Kansas City	
Louisville	
Minneapolis	
Milwaukee	
Norfolk	
New Haven	
Newark	
New York	
Omaha	
Portland	
Pittsburgh	
Philadelphia	
Richmond	
Seattle	
Springfield	
St. Louis	
Salt Lake City	
WFO	

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To: Albany
Re: 269-HQ-1194267

From: Operational Technology

     The conference is being held at the Embassy Suites Hotel Kansas City-Plaza located at 220 West 43rd Street, Kansas City, Missouri 64111. Conference attendees should arrive at the conference venue on 05/23/2005, and should plan to depart on 05/27/2005. Travel costs should be charged to TR#[   ]

                                                                            b2
                                                                            b7E

     The Kansas City, Missouri per diem rates are $98 for lodging and $47 for meals. To make hotel reservations, call the Embassy Suites Hotel Kansas City-Plaza at **816-756-1720** and request the TICTU Group Rate. **ALL ATTENDEES ARE REQUIRED TO STAY AT THE Embassy Suites Kansas City-Plaza** at the address listed above. Please make your reservations on or before 05/09/2005.

     Transportation between the airport and hotel is available through KCI Shuttle for a fee of $16.00 one-way. The KCI Shuttle can be accessed outside of baggage claim.

     Please contact[   ]at 703-[   ] on or before April 15, 2005 to confirm attendance.

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FEDERAL BUREAU OF INVESTIGATION

Precedence: PRIORITY   **Date:** 04/26/2004

To: Investigative Technology   **Attn:** [   ] QT-ERF

From: Investigative Technology
          Electronic Surveillance Technology Section/TICTU/QT-ERF
          Contact: [   ] 703 [   ]

Approved By: Clifford Michael Jr

Drafted By: [   ] bic [   ]

Case ID #: 269-HQ-1194267-394

Title: DCS-3000

Synopsis: The Telecommunications Intercept and Collection
Technology Unit (TICTU) requests the technical assistance of the
Cryptographic and Electronic Analysis Unit (CEAU) to develop a
software-based [   ] (EVRC) decoder for
[   ] push-to-talk service.

Details: The TICTU is currently working with [   ] to
develop an interim intercept and collection capability for
[   ] [   ] service. The
interim solution proposed by [   ] will intercept
audio and signaling data from their packet data network and
deliver this information to the FBI in its native digital packet
data format. [   ] has provided the TICTU with
sufficient technical documentation to decode the signaling
information but cannot directly assist the FBI with decoding the
audio packet data. The algorithm used by [   ] to
digitally encode and decode the audio, called EVRC, is not
property of [   ]
[   ]
[   ]
[   ] that will grant the FBI and
other law enforcement agencies the right to develop and use
software to decode intercepted EVRC audio packets.

        The TICTU requests the CEAU to assist in the
development of a software-based decoder for the [   ]
[   ] has provided the TICTU with sample intercept
audio. The TICTU will provide this sample data and any other

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(Rev. 01-31-2003)

FEDERAL BUREAU OF INVESTIGATION

Precedence: DEADLINE 03/05/2004   **Date:** 02/19/2004

To: Anchorage   **Attn:** TA
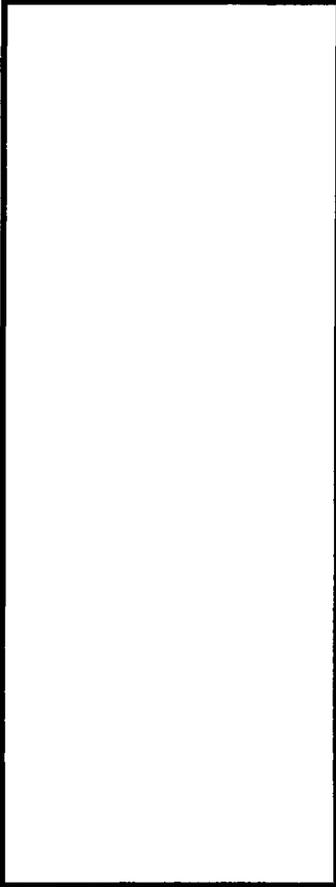   Albuquerque   TTA
      Dallas   TS
      Denver   TA
      El Paso   TA
      Honolulu   TA
      Houston   TS
      Indianapolis   TA
      Jackson   TA
      Kansas City   TA
      Knoxville   TA
      Los Angeles   b6   TS
      Little Rock   b7C   TA
      Las Vegas   TA
      Memphis   TA
      Minneapolis   TA
      Milwaukee   TA
      Oklahoma City   TA
      Omaha   TA
      Portland   TA
      Phoenix   TS
      San Antonio   TA
      Sacramento   TA
      San Diego   TS
      Seattle   TA
      San Francisco   TS
      St Louis   TA
      Salt Lake City   TS

From: Investigative Technology
      Electronic Surveillance Technology Section/TICTU/QT-ERF
      Contact: SSA [   ] 703[   ]

Approved By: Thomas Marcus C m
              Clifford Michael Jr
                                    b6
                                    b7C

Drafted By: [   ] bic

Case ID #: 269-HQ-1194267-

Title: DCS-3000

UPLOADED

FEB 2 6 2004

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Synopsis: To advise of a DCS-3000 training seminar conducted by the Telecommunications Intercept and Collection Technology Unit (TICTU) in San Francisco, California.

Details: The TICTU is conducting a three-day seminar on switch-based intercept concepts and methods in San Francisco, California during 03/23-25/2004. The seminar is designed for Technically Trained Agents (TTAs) and support personnel who routinely use the DCS-3000 system. The seminar provides training on new DCS-3000 features and updates on many issues related to switch-based electronic surveillance. Additionally, the participants receive an overview of the current Communications Assistance for Law Enforcement Act (CALEA) compliant solutions that telecommunication carriers use, and an updated description of the techniques developed by the TICTU to provide intercept capabilities for these carriers' solutions.

This training, coordinated with the Technical Personnel Development Unit, is being held on a regional basis to minimize travel expenses.

Based on the TICTU's experience in working with the field offices, it would be most beneficial for the following personnel to attend the seminar:

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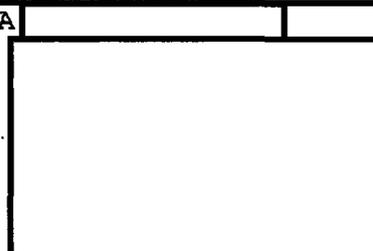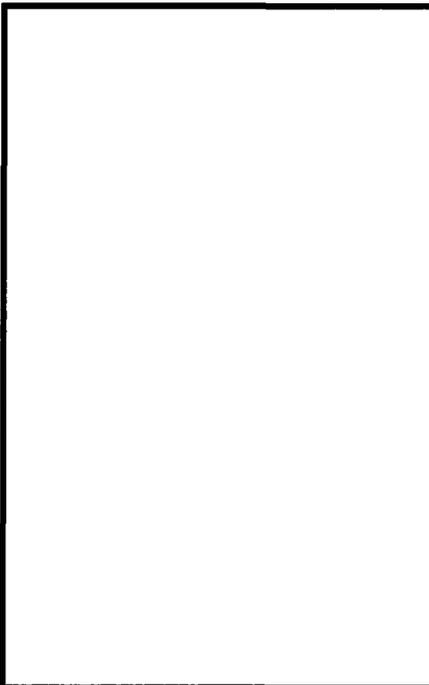b7E

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FEDERAL BUREAU OF INVESTIGATION

Precedence: DEADLINE 02/13/2004   **Date:** 01/07/2004

To:		Attn:	
	Albany		TA
	Atlanta		TS
	Baltimore		TA
	Birmingham		TA
	Boston		TS
	Buffalo		TA
	Charlotte		TA
	Chicago		TS
	Cincinnati		TA
	Cleveland		TS
	Detroit		TS
	Louisville	b6	TA
	Mobile	b7C	TA
	Jacksonville		TA
	Knoxville		TA
	Miami		TS
	Mobile		TA
	Newark		TS
	New Haven		TA
	New Orleans		TA
	New York		TS
	Norfolk		TA
	OGC		SSA
	Philadelphia		TS
	Pittsburgh		TA
	Richmond		TA
	St. Louis		TA
	San Juan		TS
	Tampa		TA
	Washington Field		TS

From: Investigative Technology
    Electronic Surveillance Technology Section/TICTU/QT-ERF
    Contact: SSA [_____] 703-[_____]

Approved By: Thomas Marcus C
    Clifford Michael Jr

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Drafted By: [_____] bic

Case ID #: 269-HQ-1194267-*386*

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Title: DCS-3000

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BIC

Synopsis: To advise of a DCS-3000 training seminar to be conducted by the Telecommunications Intercept and Collection Technology Unit (TICTU) in Miami, Florida.

Details: The TICTU will conduct a three-day seminar on switch-based intercept concepts and methods in Miami, Florida during 02/24-26/2004. The seminar is designed for Technically Trained Agents (TTAs) and support personnel who routinely use the DCS-3000 system. The seminar will provide training on new DCS-3000 features and updates on many issues related to switch-based electronic surveillance. Additionally, the participants will acquire a current overview of the Communications Assistance for Law Enforcement Act (CALEA) compliant solutions that telecommunication carriers use, and an updated description of the techniques developed by the TICTU to provide intercept capabilities for these carriers' solutions.

This training has been coordinated with the Technical Personnel Development Unit and is being held on a regional basis to minimize travel expenses.

Based on TICTU experience working with the field offices, it would be most beneficial for the following personnel to attend the seminar:

Field Office	Attendees	
Albany	TA	
	OJT	
Atlanta	TA	
	TTA	
Baltimore	TA	
	TTA	
Birmingham	TA	
	TTA	
Boston	TS	
	OJT	
Buffalo	TA	
	TTA	
Charlotte	TA	
	TTA	
Chicago	TS	
Cincinnati	TA	
Cleveland	TSA	
	TTA	

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FEDERAL BUREAU OF INVESTIGATION

Precedence: ROUTINE   **Date:** 06/04/2003

To: Finance   **Attn:** ☐ Rm 6032 (Enc)
                                              ☐ Rm 6823 (Enc)
                                              ☐ Chantilly
                                              (Enc)
         Information Resources   ☐ Rm 6421
         Criminal Investigative   ☐ Rm 5155

From: Investigative Technology
         Electronic Surveillance Technology Section/TICTU/QT-ERF
         Contact: ☐, 703 ☐

Approved By: ☐
         Thomas Marcus
         Clifford Michael Jr

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Drafted By: ☐ eh

Case ID #: 269-HQ-1194267—366

Title: DCS-3000

Synopsis: The Finance Division is requested to initiate contract
action to solicit vendors under the GSA FTS-2001 contract to
satisfy requirements as set forth in the attached Statement of
Work.

Enclosure(s): Digital Collection System Network (DCSNET)
Statement of Work, FD-910, FD-369 #128851 in the amount of
$560,000.

Details: The Telecommunications Intercept and Collection
Technology Unit (TICTU) is responsible for the development,
deployment, and support of access and collection technology to
perform lawfully authorized electronic surveillance (ELSUR) of
telecommunications services.

        The DCS-3000 and DCS-5000 systems provide access and
collection of both call detail information (i.e., pen-register
and trap/trace) and call content for a variety of
telecommunications switches. To deliver the ELSUR data from the
service providers to the collection systems require a reliable,
scalable network. The enclosed Statement of Work describes the
requirements for such a network, referred to as DCSNET.

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UPLOADED
JUN 2 4 2003
S.D.J.

File: DCS3000

161200301

DCSNET STATEMENT OF WORK
UNDER GSA FTS 2001CONTRACT

1.0   INTRODUCTION

This Statement of Work (SOW) is to be performed under General Services Administration (GSA) FTS 2001 contract.

1.1   Organization

This SOW is for the United States Department of Justice, Federal Bureau of Investigation (FBI), Washington, D.C.

1.1.1   Identification and Address

> U.S. Department of Justice
> Federal Bureau of Investigation
> Telecommunications Intercept and Collection Technology Unit
> Electronic Surveillance Technology Section
> Engineering Research Facility
> Building 27958A
> Quantico, VA 22135

1.2   Mission

The mission of the FBI's Telecommunications Intercept and Collection Technology Unit (TICTU) is the development, deployment, and support of access and collection technology to perform lawfully authorized electronic surveillance (ELSUR) of telecommunications services. The TICTU is responsible for providing equipment to the field, troubleshooting problems with equipment and systems, providing training to field office users, tracking needs of the field to identify new ELSUR requirements, and serving as the FBI's technical liaison with telecommunications service providers. The TICTU's responsibilities make the unit a critical element of the Electronic Surveillance Technology Section as well as the overall FBI.

1.2.1   Project Background

The DCS-3000 system is a custom system developed, deployed, and supported by TICTU. The DCS-3000 provides access and collection of both call detail information (i.e. pen-register and trap/trace) and call content for a variety of telecommunications switches. The DCS-3000 system is deployed and in use in 56 FBI field offices and is used for all FBI ELSUR (pen-register, trap/trace) of wireless communications technologies and an increasing amount of wireline technologies. The DCS-3000 provides a front-end Communications Assistance for Law Enforcement Act (CALEA) interface to the DCS-6000 collections system, used for Title-III collection.

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From:
To:
Date: Thu, May 29, 2003 2:41 PM
Subject: DCSNET

30003M - MITM

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Please transfer the [ ] in Switch-Based Intercept Team's SIT101 (equipment) account to our [ ] (services) account. This money is to be used in the upcoming DCSNET activity as outlined in Req

5525-6 JM - MITM

Thanks!

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CC:

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ALL INFORMATION CONTAINED
HEREIN IS UNCLASSIFIED
DATE 06-01-2007 BY 65179 DMH/TAM/KSR/JB

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(Rev. 08-28-2000)

FEDERAL BUREAU OF INVESTIGATION

Precedence: ROUTINE   **Date:** 03/04/2003

To: All Field Offices   **Attn:** All Technical Supervisors
                                              All Technical Advisors

From: Investigative Technology
          Electronic Surveillance Technology Section/TICTU/QT-ERF
          Contact: [   ] 703-[   ]

Approved By: [   ]   b6
          Thomas Marcus C   b7C
          Clifford Michael Jr.

Drafted By: [   ]

Case ID #: 269-HQ-1194267-350

Title: DCS-3000

Synopsis: To notify Technical Supervisors/Technical Advisors of
a required software upgrade to all DCS-3000 systems and to
solicit their support in providing system location information to
members of the Dedicated Contractor Support Program (DCSP) who
will be performing the upgrade.

Details: The DCS-3000 system has recently gone through the
certification and accreditation process being conducted on all
information technology systems. To satisfy requirements needed
to achieve accreditation, several system administration items
must be upgraded. There is no change to system capabilities.

          Personnel from the DCSP have been provided with the
patch and upgrade instructions. These personnel have been
instructed to contact the Technical Supervisor/Technical Advisor
in each field office to schedule the upgrade. They will need to
know and be shown the specific location of each DCS-3000 system
so they can install the patch. They will also be gathering
specific information about each system to update DCS 3000
configuration records.

ALL INFORMATION CONTAINED
HEREIN IS UNCLASSIFIED
DATE 06-01-2007 BY 65179 DMH/TAM/KSR/JB

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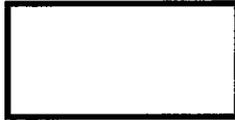MAR 1 0 2003

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File: DCS-3000

LEAD(s):

Set Lead 1:

ALL RECEIVING OFFICES

     All Technical Supervisors/Technical Advisors are
requested to provide DCSP personnel the necessary support
required to locate all DCS-3000 systems in their respective field
office so they can perform the required upgrade.   The work is
expected to be completed no later than 03/31/2003.

CC: [ ]   QT-ERF
                    QT-ERF
                    QT-ERF

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        b7E

FEDERAL BUREAU OF INVESTIGATION

Precedence: ROUTINE   **Date:** 10/04/2002

To: Investigative Technology

From: Investigative Technology
        Electronic Surveillance Technology Section/TICTU/QT-ERF
        Contact: SSA [ ] 703- [ ]

Approved By: Clifford Michael Jr [ ]   b6
[ ]   b7C

Drafted By: [ ] ehb [ ]

Case ID #: 269-HQ-1194267- [ ] (None)

Title: DCS-3000

Synopsis: To report travel to Jacksonville, Florida, to host a regional DCS-3000 training conference.

Enclosure(s): Conference agenda

Details: On 09/23/2002, Supervisory Special Agents (SSA) [ ] Electronics Engineer [ ] and Electronics Technician [ ] traveled to Jacksonville, Florida to host an east coast regional DCS-3000 training conference. Support was provided by [ ] of Booz|Allen|Hamilton.

The following individuals participated:

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Field Office	Attendees	
Albany	TA	
	OJT	
Atlanta	TTA	
	TTA	
Baltimore	Telco Spec.	
	OJT	
Birmingham	TA	
	TTA	
Boston	TS	
	OJT	
Buffalo	TA	
	TTA	

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File: DCS3000

City	Role	
Charlotte	TA	
	TTA	
Cincinnati	TA	
	Telcom Spec.	
Cleveland	TA	
	TTA	
Columbia	TTA	
Detroit	OJT	
El Paso	TA	
Jacksonville	TA	
	TTA	
Louisville	TA	
	TTA	
Miami	TTA	
Mobile	TTA	
	OJT	
Newark	TTA	
	TTA	
New Haven	TTA	
New Orleans	TA	
	TTA	
New York	TS	
	SA	
	SA	
Philadelphia	TTA	
	TTA	
Pittsburgh	TA	
Richmond		
	TTA	
St. Louis	TA	
San Juan	TTA	
	TTA	
Tampa	TTA	
	TTA	
Washington D.C.	ET	

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The conference consisted of one day of DCS-3000 training and two days of telephone carrier presentations. The attached agenda describes the training and outlines the carriers conducting presentations.

A west coast seminar is planned for December 2002.

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FEDERAL BUREAU OF INVESTIGATION

Precedence: ROUTINE   **Date:** 06/27/2002

To: Finance   **Attn:** [   ] Rm. 6888
                                          Rm. 6888 (Enc)
     Criminal Investigative   [   ] Rm. 5012

From: Laboratory
        Cyber Technology Section/TICTU/QT-ERF
        Contact: [   ] 703 [   ]

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Approved By: [   ]
                Thomas Marcus C [   ]
                [   ]

Drafted By: [   ] Behr [   ]

Case ID #: 269-HQ-1194267- [   ]

Title: DCS-3000

Synopsis: Purchase 22 computer systems and 22 Epson serial printers to be used in support of DCS-3000.

Enclosure(s): FD-369, #832121 in the amount of $27,324, FD-901, Minimum Computer Requirements, Non-Information Technology (IT) Waiver request, and quotes from GovConnection, CDW-G, and GTSI.

Details: The Telecommunications Intercept and Collection Technology Unit (TICTU) is the primary development, deployment, and support unit for switch-based telecommunications intercepts. The TICTU supports criminal, national security, and foreign counterintelligence investigations utilizing telecommunications intercept techniques. To perform the operations involving Title III and Title 50 court order surveillance and the DCS-3000 program, TICTU must be able to provide support in a timely manner.

Attached is requisition #832121 in the amount of $27,324 for the procurement of 22 computer systems and 22 Epson serial printers. The computer systems will be modified to meet system specifications. As the units are completed, the systems will be deployed to the field offices as needed.

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JUL 1 0 2002

S.D.J.

File: DCS 300

LEAD(s):

Set Lead 1:   (Adm)

FINANCE

AT WASHINGTON, DC

The Finance Division is requested to approve the
purchase of 22 computer systems and 22 Epson serial printers to
be used in support of DCS-3000.   Funding in the amount of $27,324
is available from Budget Item JM.

Set Lead 2:   (Adm)

CRIMINAL INVESTIGATIVE

AT WASHINGTON, DC

For information only.

CC: Mr. Thomas, QT-ERF
                    QT-ERF (Enc)
                    QT-ERF
                    QT-ERF (Enc)
                    QT-ERF (Enc)   b6
                    QT-ERF   b7c
                    QT-ERF (Enc)

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FEDERAL BUREAU OF INVESTIGATION

Precedence: ROUTINE   Date: 04/18/2002

To: Finance   Attn: [   ] Rm 6888
      Criminal Investigative   [   ] Rm 5012

From: Laboratory
       Cyber Technology Section/TICTU/QT-ERF
       Contact: [   ]   703-[   ]

Approved By: [   ] DE /
             [   ]
             Thomas Marcus C

Drafted By: [   ] Behb

Case ID #: 268-HQ-1045581-139

Title: [   ]

Synopsis: The Engineering Contracts Unit (ECU) is requested to
issue a delivery order for the purchase of various Jatom Systems
Incorporated (JSI) products to support the [   ]/DCS-3000
Programs.

Enclosure(s): FD-369, #857037, in the amount of $58,850.

Details: The Telecommunications Intercept and Collection
Technology Unit (TICTU) is the primary development, deployment,
and support unit for switch-based telecommunications intercepts.
The TICTU supports criminal, national security, and foreign
counterintelligence investigations utilizing telecommunications
intercept techniques. To support ongoing operations involving
Title III, Title 50 court ordered surveillance, and the [   ]
[   ] TICTU must be able to provide support in a timely
manner.

        Attached is requisition #857037 dated 04/18/2002, in
the amount of $58,850 for the procurement of JSI products as
follows: 10 each 2171-01 Trunk Extender Combiner Cards; 10 each
1215-01 Digital Break-outs (T1 to 24 analog); 20 each 1215-51
Card enclosures; and 10 each 2066-01 Dial up slave controllers.
The items mentioned may all be obtained from the DEA contract
#97-C-0053.

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ALL INFORMATION CONTAINED
HEREIN IS UNCLASSIFIED
DATE 06-01-2007 BY 65179 DMH/TAM/KSR/JB

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UPLOADED
APR 1 8 2002
S.D.J.

File: SN

To: Finance   From: Laboratory
Re: 268-HQ-1045581, 04/18/2002

        The ECU is requested to issue a delivery order for the
purchase of the above mentioned JSI products to support the
[   ]/DCS-3000 Programs.   Funding in the amount of $58,850
is available from Budget Item JM, TICTU Spend Code IT101.

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LEAD(s):

Set Lead 1:   (Adm)   b2
                                                            b7E

    FINANCE

       AT WASHINGTON, DC

       The ECU is requested to issue a delivery order for the purchase of various JSI products to support the [   ]/ DCS-3000 Programs. Funding in the amount of $58,850 is available from Budget Item JM, TICTU Spend Code IT101.

Set Lead 2:   (Adm)

    CRIMINAL INVESTIGATIVE

       AT WASHINGTON, DC

       For information only.

CC: Mr. Thomas, QT-ERF   b6
            QT-ERF (Enc)   b7C
              QT-ERF
            QT-ERF
            QT-ERF (Enc)
             QT-ERF (Enc)
          QT-ERF (Enc)

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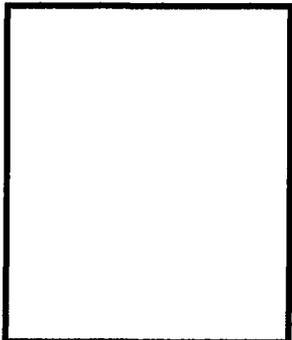# FEDERAL BUREAU OF INVESTIGATION

Precedence: ROUTINE   **Date:** 10/29/2001

To: Chicago   TS
        Cincinnati   TA
        Cleveland   TA
        Detroit   TS
        Indianapolis   TA
        Kansas City   TA
        Louisville   TA
        Milwaukee   TA
        Omaha   TA
        Springfield   TA
        St. Louis   TA

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From: Laboratory
          Technical Operations Section/TICTU/QT-ERF
          Contact: SSA [   ] 703-[   ]

Approved By: [   ]
                 McDevitt Michael J

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Drafted By: [   ]

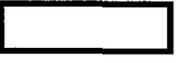**Case ID #:** 269-HQ-1194267 -

Title: DIGITAL DELIGHT

Synopsis: To advise of a DCS-3000 Training Seminar to be conducted by the Telecommunications Intercept and Collection Technology Unit (TICTU) and hosted by the Chicago Field Office.

Details: A two day seminar has been prepared for Technically Trained Agents (TTA) who routinely support the DCS-3000 program. The seminar will provide selected training by the TICTU staff to identify the most common DCS-3000 problems and the steps needed to resolve them. To handle more complex issues, field office personnel will be trained to gather specific data necessary for troubleshooting and become familiar with the diagnostic tools available for network analysis. The participants will acquire an overview of the Communications Assistance for Law Enforcement Act (CALEA)-compliant solutions that telecommunication carriers are deploying and a description of the methods developed by TICTU to provide intercept capability.

UPLOADED
OCT 31 2001
S.D.J.

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File: DCS 3000

This training has been coordinated with the Technical Programs Unit and is being held on a regional basis to minimize travel expenses.

In an effort to strengthen professional relationships between Bureau technical personnel and representatives from carrier organizations operating in your field divisions, this seminar will provide the opportunity for carrier presentations and dialog between carriers and the field office personnel.

The following personnel are invited to attend the seminar:

Chicago	Host Office
Cincinnati	TA
	CS
Cleveland	TA
	TTA
Detroit	TS
	TTA
Indianapolis	TA
	SA
Kansas City	TTA
	TA
Louisville	TA
	TTA
Milwaukee	TA
	TTA
Omaha	TA
	TTA
Springfield	TA
	TTA
St. Louis	TTA

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The seminar will run from 11/14-15/2001 and consist of the following:

Day One: DCS-3000 Training/CALEA Compliant Solutions Overview.

Day Two: Carrier Presentation:. Meet

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The seminar will be conducted at the Amerisuites Chicago O'Hare Hotel, 8101 Higgins Road, Chicago, Illinois 60631, phone 773-653-2032. A block of rooms has been reserved at the Amerisuites, under the code, "TICT" for $99 per night. The per diem lodging rate for Chicago is $155 per night.

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(Rev. 08-28-2000)

FEDERAL BUREAU OF INVESTIGATION

Precedence: ROUTINE   **Date:** 07/05/2001

To: Criminal Investigative   **Attn:** [ ] Rm 5155
      Finance   [ ] Rm 6888 (Enc)
      Information Resources   [ ] Rm 9396

From: Laboratory
        Technical Operations Section/TICTU/QT-ERF
        Contact: [ ] 703-[ ]

Approved By: [ ]   b6
                McDevitt Michael   b7C
                [ ]
                [ ]

Drafted By: [ ] ehb

Case ID #: 269-HQ-1194267

Title: DIGITAL DELIGHT

Synopsis: The Finance Division, Engineering Contracts Unit, is requested to modify the Basic Ordering Agreement, with Integrated Systems Research (ISR) Corporation.

Enclosure(s): FD-369, Number 921714 in the amount of $34,066 and two quotes from ISR Corporation.

Details: The Telecommunications Intercept and Collection Technology Unit (TICTU) is the primary development, deployment, and support unit for switch-based and off-air telecommunications intercepts. The TICTU supports both criminal and national security investigations utilizing telecommunications intercept techniques. To perform the operations involved with Title III and Title 50 court ordered surveillance, TICTU must be able to provide support in a timely manner.

The attached requisition number 921714 dated 06/20/2001, allocates $34,066 for engineering services to fund the implementation of tasks FY2001-01 and FY2001-02 received from   b2
ISR.   b7E

The FBI negotiated a three year engineering services contract, J-FBI-96-068, with ISR Corporation which recently expired on 09/30/2000. This contract was negotiated with three

File: Digital Delight

option years which could be exercised at the discretion of the
FBI.   At this time, the FBI is negotiating a new multi-year
contract, Reference FD-369 #850987, dated 01/31/2001.

        The Physical Surveillance Unit, Radio Surveillance Aids
has an established standard in place for performing computer
generated mapping.   This system is known internal to the FBI as
Wintrack.   A standardized mapping system reduces the amount of
training required for field personnel and increases their
proficiency and efficiency as they are not required to learn a
whole new mapping system with the introduction of each new
tracking device.   Not only are all FBI field offices using the   b2
[   ] mapping system, the [   ] system software is   b7E
installed on all new agents' laptop computers.   The FBI has a
multi-user license agreement with ISR which states that an
unlimited number of copies can be distributed throughout the FBI
for use by FBI personnel.

        The [   ] system is used to display latitude and
longitude (lat/long) locations from FBI Global Positioning System
(GPS) tracking devices as well as the estimated lat/long position
of a target transmitter.   This lat/long position is calculated
using line-of-bearing information and received signal strength.
The TICTU would like to leverage upon these existing capabilities
and update and enhance the [   ] system software to include a
new data interface for their DCS3000 switch-based collection
system.   This new data interface will display the GPS location of
a serving cellsite tower and will include a 'real-time' display
of call detail information received from the DCS3000 system.

        It is requested that the pending contract be increased
by $34,066 to address the need for these services.   Funding for
this request is available under Budget Item 2580JM, Spend Code
WLS201.

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PROPOSED ADDITIONS TO [   ] SOFTWARE APPLICATION

PROBLEM: [   ] does NOT possess an interface for the purpose of receiving and displaying DCS3000 (switch) information that is received 'real-time' from the Central Monitoring Plant (CMP).

PROPOSAL: Develop a DCS interface which will accept ASCII data consisting of Call Detail Channel information and carriage return/line feed delimiters that [   ] [   ] The ASCII information will be displayed in a sizable/scrollable listbox that will scroll automatically to display the most recent data. When the DCS interface receives an ASCII string that contains the [   ] character string, [   ] will automatically [   ] coordinates.

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FEDERAL BUREAU OF INVESTIGATION

Precedence: ROUTINE

Date: 03/29/2001

To: Atlanta

   Birmingham
   Charlotte
   Columbia
   Knoxville
   Memphis
   Mobile
   Jacksonville
   Los Angeles
   Miami
   New York
   San Juan
   Tampa
   Laboratory

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TA
SC Michael J. McDevitt
UC
UC
SSA
EE
EE

From: Laboratory
   Technical Operations Section/TICTU/QT-ERF
   Contact: SSA [   ] 703-[   ]

Approved By: [   ]
   McDevitt Michael J

Drafted By: [   ] ehb

b6
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Case ID #: 269-HQ-1194267

Title: DIGITAL DELIGHT

Synopsis: To advise of a DCS-3000 Training Seminar to be conducted by the Telecommunications Intercept and Collection Technology Unit (TICTU) and hosted by the Atlanta Field Office.

Enclosure(s): List of lodging in the Atlanta area

269-HQ-1194267-179

UPLOADED
APR 06 2001
S.D.J. ehb

ALL INFORMATION CONTAINED
HEREIN IS UNCLASSIFIED
DATE 06-01-2007 BY 65179 DMH/TAM/KSR/JB

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File: Digital Delight

Details: A two day seminar has been prepared for Technically Trained Agents (TTA) who routinely support the DCS-3000 program. The seminar will provide selected training by the TICTU staff to identify the most common DCS-3000 problems and the steps needed to resolve them. To handle more complex issues, field office personnel will be trained to gather specific data necessary for troubleshooting and become familiar with the diagnostic tools available for network analysis. The participants will acquire an overview of the Communications Assistance for Law Enforcement Act (CALEA)-compliant solutions that telecommunication carriers are deploying and a description of the methods developed by TICTU to provide intercept capability.

This training has been coordinated with the Technical Programs Unit and is being held on a regional basis to minimize travel expenses.

In an effort to strengthen professional relationships between Bureau Technical personnel and representatives from carrier organizations operating in your field divisions, this seminar will provide the opportunity for carrier presentations and dialog between carriers and the field office personnel.

The following personnel are invited to attend the seminar:

Atlanta

Birmingham

Charlotte   b6
                                                                   b7C
Columbia

Knoxville

Memphis

Mobile

Jacksonville

Miami

San Juan

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Tampa

Los Angeles
New York

The seminar will run from 05/22-23/2001 and consist of the following:

Day One: DCS-3000 Training/CALEA Compliant Solutions Overview.

Day Two: Carrier Presentation: Meet [   ]

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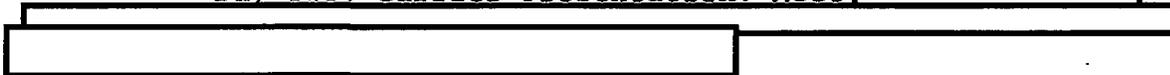
The seminar will be conducted at the Atlanta FBI Field Office, 2635 Century Parkway, Suite 400, Atlanta, Georgia, 30345, telephone 404-679-9000. The seminar will begin at 9:00 a.m. on May 22. Attendees should meet at the field office at 8:45 a.m. to clear security.

This seminar is limited to no more than two TTAs from each visiting field office and/or resident agency. A TR number for travel will be provided by TICTU. The seminar will run from 05/21-24/2001, with travel days on 05/21/2001 and 05/24/2001. For the attendees not driving Bureau cars to the seminar, rental vehicles are being authorized and limited to one vehicle per Division.

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FEDERAL BUREAU OF INVESTIGATION

Precedence: ROUTINE   **Date:** 01/23/2001

To: Albuquerque   **Attn:** TA
                                                         TTA
         Denver   TA
         Dallas   TS
                                                         TTA
         El Paso   TA
                                                         TTA
         Houston   TTA
                                                         SA
         Jackson   b6   TA
                                         b7C   TTA
         Little Rock   TTA
                                                         SA
         Miami   TTA
         New Orleans   TA
                                                         TTA
         San Antonio   TTA
                                                         TTA
         Laboratory   SC Michael J. McDevitt
                                                         SC Marcus C. Thomas
                                                         UC
                                                         UC
                                                         SSA

From: Laboratory
           Technical Operations Section/TICTU/QT-ERF
           Contact: SSA _____ 703-_____

Approved By: _____

              McDevitt Michael J   b6
                                                          b7C

Drafted By: _____ ehb

Case ID #: 269-HQ-1194267

Title: DIGITAL DELIGHT

Synopsis: To advise of a DCS-3000 Training Seminar to be
conducted by the Telecommunications Intercept and Collection
Technology Unit (TICTU) and hosted by the Dallas Field Office.

Enclosure(s): Hotel description sheet.

269-HQ-1194267-159

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File: Digital Delight
cc: Training ProBid

To: Albuquerque From: Laboratory
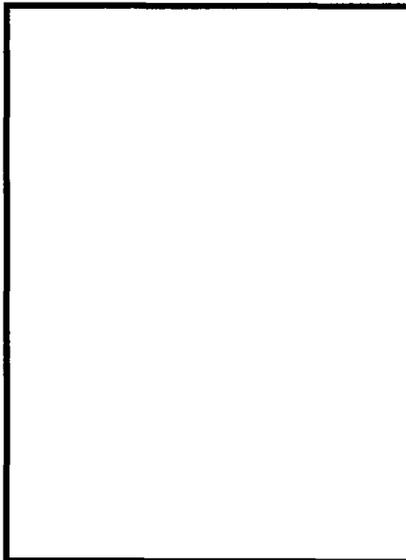Re: 269-HQ-1194267, 01/23/2001

Details: A two-day seminar has been prepared for Technically
Trained Agents (TTA) who routinely support the DCS-3000 program.
The TICTU staff will provide insight into various intercept
solutions which carriers are deploying to satisfy the
requirements of the Communications Assistance for Law Enforcement
Act (CALEA). The methods developed by the Bureau to interface
with these solutions and optimize intercept capabilities will
also be reviewed.

This seminar will also strive to strengthen
professional relationships between Bureau Technical personnel and
representatives of carrier organizations operating in FBI field
divisions. Selected telecommunications carrier personnel will
attend portions of the seminar to outline operational policies
and address your inquiries.

This training has been coordinated with the Technical
Programs Unit and is being held throughout the nation. To
minimize travel expenses the seminars are being held on a
regional basis.

The following Bureau personnel are invited to attend
the seminar:

Albuquerque

Denver
Dallas

El Paso

Houston

Jackson

Little Rock

Miami
New Orleans

San Antonio

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The seminar will run from 02/13-14/2001 and consist of
the following:

Day One: DCS-3000 Training/CALEA Compliant Solutions
Overview.

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Day Two: Carrier Presentation: Meet [   ]

        The seminar will be held in the conference room at the
Harvey Suites in Irving, Texas (see attached hotel information
sheet). A block of rooms is being held at the Harvey Suites
until 01/28/2001 under the name, "Dallas DCS Seminar".

        This seminar is limited to no more than two TTAs from
each field office and/or resident agency. A TR number for
lodging and meals will be provided by TICTU. The seminar will
run from 02/13-14/2001, with travel days on 02/12/2001 and
02/15/2001. Vehicle rental is not being authorized as the hotel
provides shuttle service to and from the airport and to eating
establishments in the local area.

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(Rev. 08-28-2000)

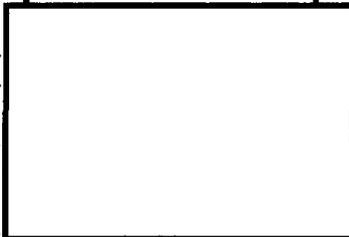# FEDERAL BUREAU OF INVESTIGATION

Precedence: ROUTINE   Date: 01/10/2001

To: Anchorage   Attn: TA
       Dallas   TS
       Honolulu   TA
       Las Vegas   TA
       Los Angeles   TS
                                      TTA
       Phoenix   TS
                                      TA
       Portland   TA
       Sacramento   TA   b6
       Salt Lake City   TA   b7C
       San Diego   TS
       San Francisco   TS
       Seattle   TA
       Laboratory   SC Michael J. McDevitt
                                      UC
                                      UC
                                      SSA
                                      EE
                                      EE

From: Laboratory
        Technical Operations Section/TICTU/QT-ERF
        Contact: SSA[   ]   703[   ]

Approved By: [   ]
             [   ]   b6
             McDevitt Michael   b7C
             [   ]

Drafted By: [   ]ehb[   ]

Case ID #: 269-HQ-1194267

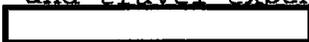Title: DIGITAL DELIGHT

Synopsis: To advise DCS-3000 Training Seminar attendees of the
TR number to be used for travel expenses.
                                                            b2
Reference(s): 269-HQ-1194267 Serial 148   b7E

Details: Travel to attend the DCS-3000 Seminar has been approved
and travel expenses will be provided by ERF under TR Number
[   ]

269-HQ-1194267-158

cc: Digital Delight
File: Training
        Given

(Rev. 08-28-2000)

FEDERAL BUREAU OF INVESTIGATION

Precedence: ROUTINE   Date: 12/21/2000

To: Anchorage   Attn: TA
     Dallas   TS
     Honolulu   TA
     Las Vegas   TA
     Los Angeles   TS
                               TTA
     Phoenix   TS
                               TA
     Portland   TA
     Sacramento   b6   TA
     Salt Lake City   b7C   TA
     San Diego   TS
     San Francisco   TS
     Seattle   TA
     Laboratory   SC   Michael J. McDevitt
                               UC
                               UC
                               SSA
                               EE
                               EE

From: Laboratory
       Technical Operations Section/TICTU/QT-ERF
       Contact: SSA [   ] 703-[   ]

Approved By: [   ]
                 McDevitt Michael J   b6
                                          b7C

Drafted By: [   ] ehb

Case ID #: 269-HQ-1194267

Title: DIGITAL DELIGHT

Synopsis: To advise of a DCS-3000 Training Seminar to be conducted by the Telecommunications Intercept and Collection Technology Unit (TICTU) and hosted by the Los Angeles Field Office.

Enclosure(s): List of lodging in the Los Angeles area

269-HQ-1194267-148

File: Digital Delight

To: Anchorage From: Laboratory
Re: 269-HQ-1194267, 12/21/2000

Details: A two day seminar has been prepared for Technically
Trained Agents (TTA) who routinely support the DCS-3000 program.
The seminar will provide selected training by the TICTU staff to
identify the most common DCS-3000 problems and the steps needed
to resolve them. To handle more complex issues, field office
personnel will be trained to gather specific data necessary for
troubleshooting and become familiar with the diagnostic tools
available for network analysis. The participants will acquire an
overview of the Communications Assistance for Law Enforcement Act
(CALEA)-compliant solutions that telecommunication carriers are
deploying and a description of the methods developed by TICTU to
provide intercept capability.

This training has been coordinated with the Technical
Programs Unit and is being held on a regional basis to minimize
travel expenses.

In an effort to strengthen professional relationships
between Bureau Technical personnel and representatives from
carrier organizations operating in your field divisions, this
seminar will provide the opportunity for carrier presentations
and dialog between carriers and the field office personnel.

The following personnel are invited to attend the
seminar:

Anchorage

Dallas
Honolulu

Las Vegas

Los Angeles
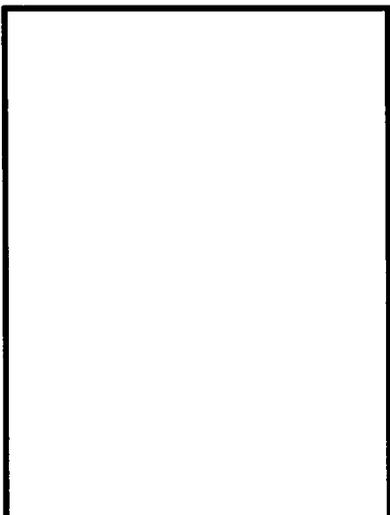Phoenix   b6
                                                          b7C
Portland

Sacramento

Salt Lake

San Diego

(to be determined)
San Francisco

(to be determined)
Seattle

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        The seminar will run from 01/23-24/2001 and consist of
the following:

        Day One: DCS-3000 Training/CALEA Compliant Solutions
Overview.

        <u>Day Two: Carrier Presentation</u>: Meet

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        The seminar will be conducted in Room C-206 of the
Cafeteria Annex, the building adjacent to the Federal Building at
11000 Wilshire Boulevard in Los Angeles. Attendees are asked to
meet in the Cafeteria at 8:45 a.m. on 01/23/2001.

        This seminar is limited to no more than two TTAs from
each field office and/or resident agency. A TR number for travel
will be provided by TICTU. The seminar will run from
01/22-25/2001, with travel days on 01/22/2001 and 01/25/2001.

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(Rev. 10-01-1999)

FEDERAL BUREAU OF INVESTIGATION

Precedence: ROUTINE   Date: 03/10/2000

To: Criminal Investigative   Attn: Rm 5155
      Finance   Rm 6885
                                                               Rm 6885
      Laboratory   Mr. McDevitt,   QT-ERF
                                       b6   QT-ERF (Enc)
                                       b7C   QT-ERF
                                                               QT-ERF (Enc)
                                                             , QT-ERF

From: Laboratory
       Electronic Surveillance Technology Section/TICTU/QT-ERF
          Contact: 703-

Approved By:

          McDevitt Michael J

Drafted By: :ehb

Case ID #: 269-HQ-1194267

Title: DIGITAL DELIGHT

Synopsis: To request the Finance Division to assign Booz-Allen &
Hamilton, Incorporated (BAH) a task, under General Services
Administration's (GSA) Telecommunications Support Contract 2
(TSC 2).

Enclosure(s): FD-369, Number 900878 in the amount of $1,212,000
and Statement of Work

Details: The Communications Assistance to Law Enforcement Act
(CALEA) of 1994 sets out telecommunications common carriers'
responsibilities with regard to providing law enforcement
agencies with lawful access to communications intended for
interception (Title III/FISA, Pen Register, Trap & Trace). The
CALEA Implementation Section (CIS) has the responsibility for
carrying out the duties imposed on the Attorney General for
implementing the legislation. The CIS is currently negotiating
with telecommunications industry carriers, manufacturers, and   b2
associations in order to facilitate this process. It is   b7E
anticipated that CALEA compliant interception capabilities will
be available within carriers' systems sometime in mid-2001.

269-HQ-1194267-115

File: Digital Delight

Additionally, it is expected that carrier capabilities to accommodate law enforcement capacity requirements for communications interceptions will be forthcoming in mid-2000.

The Laboratory Division, Electronic Surveillance Technology Section, Telecommunications Intercept and Collection Technology Unit, Telecommunications Access Group (TAG), has responsibility for ensuring that alternatives for conducting electronic communications interceptions within the carriers' networks exist. These alternative solutions are needed to ensure law enforcement interception capability during the interim period when CALEA compliant solutions are not available, and as a tactical alternative to CALEA compliant solutions. Also, these solutions serve as a "bridge" to the CALEA compliant solutions and provide the FBI with a test bed to evaluate switch/network-based interception capabilities.

In January 1997, July 1998, and June 1999, the FBI awarded limited task orders to BAH, under GSA's TSC 2 contract, to develop a custom collection system, called the DCS-3000, that provides for the collection and recording of both call content and call detail information for five wireless and wireline switches. The BAH successfully developed intercept and collection capabilities for switches manufactured by[   ] b2
As result of the   b7E
successful work conducted by BAH, the FBI has deployed the DCS-3000 system in more than 42 FBI field divisions and 105 wireless and wireline switches throughout the country and field office demand for the system continues to grow.

Initially, the FBI believed the DCS-3000 capability would be a relatively short lived prototype, which would quickly be replaced by commercial systems. However, the emergence of satisfactory commercial products has been slow. Further, due to delays in the implementation of CALEA, various parts of the telecommunications industry have been deploying some intermediate level of electronic surveillance capabilities until CALEA is implemented. These intermediate capabilities will likely not be well supported by commercial surveillance products. Thus, TAG has continuing requirements to specify, develop, field, and support interim surveillance systems in order to achieve its mission.

The TAG requests the Finance Division to assign BAH an additional task, under GSA's TSC 2 contract, to provide labor and services to support the specification, development, verification, operation, and maintenance of the existing DCS-3000 system and new interim electronic surveillance systems for emerging wireless and wireline telecommunications switches.

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STATEMENT OF WORK #___
UNDER TELECOMMUNICATIONS SUPPORT CONTRACT 2

1.0 Introduction

This Statement of Work (SOW) is to be performed for the General Services Administration (GSA), Information Resources Management Service, in the National Capital Zone, under Telecommunications Support Contract 2 (TSC 2). The TSC 2 contract number is

1.1 Organization

This SOW is for the United States Department of Justice, Federal Bureau of Investigation (FBI), Washington, D.C.

1.1.1 Identification and Address

U.S. Department of Justice
Federal Bureau of Investigation
Telecommunications Interception and Collection Technology Unit
Electronic Surveillance Technology Section
Engineering Research Facility
Building 27958A
Quantico, VA 22135

1.2 PROJECT BACKGROUND AND OBJECTIVES

1.2.1 Project Background

The mission of the FBI's Telecommunications Interception and Collection Technology Unit (TICTU) is the development of access and collection technology to perform lawfully authorized electronic surveillance of telecommunications services. Personal Communications Services (PCS) is one type of telecommunications service for which EST-3 must support surveillance and collection. Since no commercial products are available to support this mission, the FBI has developed a custom collection system, called the DCS-3000, that provides for the collection and recording of both call content and call detail information for a variety of PCS switches. The system is deployed and in use in more than forty FBI field offices.

Initially, the FBI believed that DCS-3000 capability would a relatively short lived prototype which would quickly be replaced by commercial systems. However, the emergence of satisfactory commercial products has been slow. During the transition to Communications Assistance to Law Enforcement Act (CALEA) implementation, various parts of the telecommunications industry have deployed some intermediate level of electronic surveillance capabilities until CALEA implementation has been completed. These intermediate capabilities are not well supported by commercial surveillance products. Thus, the FBI has continuing

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requirements to specify, develop, field, and support interim surveillance systems in order to achieve its mission.

1.2.2 Objectives

The FBI requires support to extend the current DCS-3000 collection system and to specify and develop additional required surveillance products required.

This SOW defines the tasks required to support the FBI's electronic surveillance needs. The specific objective of the order is to procure the following types of services:

- Analytical support services to support the definition of system requirements for interim solution capabilities and provide liaison with the service providers for technical evaluation of the proposed solutions.
- Design and engineering services to support the design of extensions to existing electronic surveillance systems and the development of new surveillance systems
- Installation, integration, and implementation services to support the development, integration, and test of extensions to existing surveillance systems and the development of new systems
- Operations and maintenance services to support applications software maintenance, documentation, help desk operations, logistics, and field support.

2.0 Statement of Work

2.1 Task Description

This is a firm fixed price task.

2.2 Required Services

The contractor shall provide labor and services to support the specification, development, verification, operation and maintenance of interim electronic surveillance systems. Much of the work of EST-3 is driven by the often urgent requirements of cases and other projects that the organization is required to support. As a result, the specific activities the contractor will be required to perform cannot be defined a priori. However, the types of required tasks can be characterized. Typical tasks the contractor will be called upon to perform include:

I.   Provide interim solution implementation support, including the following:

    A.   Develop requirements for new technologies or systems to include the following activities:
        1. Define high level electronic surveillance needs documentation, as required

2. Liaison with key vendors and service providers to gather operational or technical data
3. Provide in-depth technical assessment of technologies, network architectures and features/service
4. Evaluate existing electronic surveillance capabilities for these technologies
5. Define detailed requirements for collection systems

    B.   Evaluate technical solutions proposed by a vendor or a service provider
    C.   Liaison with vendors and service providers during solution implementation
    D.   Verify surveillance solutions proposed by vendors or service providers

II.   Provide software development support to:

    A.   Develop new software applications to support new collection requirements.
    B.   Modify/enhance the existing DCS-3000 system to provide support for the following:

        1. New revisions of switch operating software. Frequently, new switch software revisions change the format and content of detail messages.
        2. New communications facilities to support new requirements for data communications between the PCS switch and the collection system or communications between elements of the collection system.
        3. New interfaces for system configuration and operation.
        4. Collection of call detail and content information from previously unsupported PCS switch types. Addition of a new switch type may entail the development of items described in 1, 2, and 3.

III. Perform software maintenance and troubleshooting to resolve intercept system operational and performance problems identified by EST-3 or FBI field offices.

IV. Provide support for resolution of operational issues with agency and industry representatives, to include:

    A.   Support the development of briefings, pamplets, or training materials relevant to TICTU's operational and collection activities.
    B.   Coordinate, attend and document meetings with industry representatives and/or other agencies to resolve access and collection issues.

V.   Develop or enhance user documentation for developed system prototypes and related products.

VI. Provide operations, logistics, and field support to include:

    A.   Provide configuration management and logistics services to track and maintain all versions of the system software, track the deployed hardware and software, assist in

(3)

FEDERAL BUREAU OF INVESTIGATION

Precedence: ROUTINE   **Date:** 01/31/2000

To: Laboratory   **Attn:** [ ] QT-ERF
                         b6
                         b7C
                                                 QT-ERF
                                               QT-ERF
                                               QT-ERF
    Los Angeles   TTA

From: Laboratory
        Electronic Surveillance Technology Section/TICTU/QT-ERF
        Contact: [ ] 703-[ ]

Approved By: [ ]
        McDevitt Michael J
        [ ]

Drafted By: [ ] ehb

Case ID #: 269-HQ-1194267

Title: DIGITAL DELIGHT

Synopsis: To request that Technically Trained Agent (TTA)
[ ] attend the Interim Solutions For Telecommunications
Intercepts Course on 02/07-18/2000.
                                                                     b6
                                                                     b7C

Details: The Telecommunications Intercept and Collection
Technology Unit (TICTU) invites TTA [ ] to attend the
Interim Solutions for Telecommunications Intercepts Course at
Quantico (QT), Virginia, from 02/07-18/2000. This course will
provide information on technical issues pertaining to modern
electronic surveillance such as Personal Communications Systems,
the Windows NT operating system, router and modem configurations,
and the DCS-3000 software. In addition, significant
non-technical issues will be discussed, including legal
considerations, interaction with telecommunications service
providers, and progress in implementing the Communications
Assistance for Law Enforcement Act.
                                                               b2
                                                               b7E

      All travel expense will be paid by the Electronic
Surveillance Technology Section/TICTU/QT-Engineering Research
Facility using [ ]

269-HQ-1194267-104

File: Digital Delight

FEDERAL BUREAU OF INVESTIGATION

Precedence: ROUTINE   Date: 04/20/1999   b6
                                                                        b7C

To: Laboratory   Attn: [   ] QT-ERF
                                                          QT-ERF
                                                          QT-ERF

From: Laboratory
      Electronic Surveillance Technology Section/TICTU/QT-ERF
      Contact: [   ] 703-[   ]

Approved By: McDevitt Michael
             [   ]

Drafted By: [   ] ehb

Case ID #: 269-HQ-1194267   (Pending)

Title: DIGITAL DELIGHT   b6
       TRAVEL TO BOCA RATON, FLORIDA   b7C

Synopsis: To report travel to Boca Raton, Florida on
03/07-08/1999 to meet with Siemens and Omnipoint PCS
Communications (Omnipoint) to discuss intercept issues.

Details: On 03/08/1999, Electronics Engineer [   ]
traveled to Boca Raton, Florida to meet with Siemens and
Omnipoint to discuss lawfully intercept issues.

        Omnipoint presented its current network architecture
and lawful intercept implementation which utilizes the DCS-3000
system developed by the FBI. Presently, Omnipoint has 11 Global
System for Mobiles (GSM) switches in its network. Omnipoint is
currently in the process of expanding its network and will deploy
[   ] switches within the next 12 months.
Omnipoint will install [   ] switch in New York
City in May 1999.   b2
                                                                    b7E

        [   ] presented detailed information about the
current electronic surveillance capabilities of the [   ] switch.
The current [   ] implementation for interception utilizes a
server, called Intercept Control Center (ICC), developed by
Kryptokom. This equipment provides dual functionality, acting as
both the target provisioning system as well as the intercept call
data receiver. The ICC generates the necessary commands to
switch to establish the monitoring of intercept targets. It also
receives the [   ] generated by the switch and distributes
these records to law enforcement monitoring centers via a [   ]
connection.

                                        269-HQ-1194267-64

UPLOADED BY SDH 4/27/99

b2
b7E

[   ] provided the technical specification for the
[   ] and the FBI so that the
necessary enhancements to the DCS-3000 can be made to accommodate
the [   ] switch.

[   ] plans to implement an ICC in its test lab in
Boca Raton, Florida sometime in April 1999 so that testing with
the DCS-3000 system can be conducted.

2