

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

From: (b)(6),(b)(7)(C)
Sent: Monday, July 20, 2009 5:59 PM
To: (b)(6),(b)(7)(C)
Cc:
Subject: RE: JMD Briefing on Going Dark
Attachments: doj-08-20-redacted.pdf

(b)(5),(b)(7)(E)

As we all know too well convergence is alive and well and is growing exponentially daily - as of February 11th, 2009, Apple reported more than 20,000 applications on their App Store (072009, <http://www.electronicpulp.net/2009/02/11/apples-iphone-app-store-now-hosts-20000-applications/>.)

(b)(5),(b)(7)(E)

I've also included the DOJ's IG Report on CALEA. Note the first paragraph where they highlight the following:

"Criminal organizations and individuals frequently use the telecommunication systems of the United States to further serious crimes, including terrorism, kidnapping, extortion, organized crime, drug trafficking, and public corruption. One of the most effective tools law enforcement agencies use to acquire evidence of these crimes is electronic surveillance techniques. **However, continuing advances in telecommunication technology have impaired and in some instances prevented law enforcement from conducting some types of authorized electronic surveillance.**" (8-20-08, DOJ IG Audit Redacted Report)

Please let me know if this helps or if you need anything further.

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

(b)(5),(b)(6),(b)(7)(C),(b)(7)(E)

(b)(5),(b)(7)(E)

In March 2008, the U.S. Department of Justice (DOJ), Office of the Inspector General (IG) issued its Audit Report on the Implementation of the Communications Assistance for Law Enforcement Act (CALEA). In its executive summary, the report stated *“Criminal organizations and individuals frequently use the telecommunication systems of the United States to further serious crimes, including terrorism, kidnapping, extortion, organized crime, drug trafficking, and public corruption. One of the most effective tools law enforcement agencies use to acquire evidence of these crimes is electronic surveillance techniques. However, continuing advances in telecommunication technology have impaired and in some instances prevented law enforcement from conducting some types of authorized electronic surveillance.”* (8-20-08, DOJ IG Audit Redacted Report).

(b)(5),(b)(7)(E)

(b)(5),(b)(7)(E)

Convergence is alive and well and is growing exponentially daily - as of February 11th, 2009, Apple reported more than 20,000 applications on their App Store.

<http://www.electronicpulp.net/2009/02/11/apples-iphone-app-store-now-hosts-20000-applications/>.

(b)(5),(b)(7)(E)

(b)(5),(b)(7)(E)

Today the ability to communicate on a mobile device can occur almost anywhere—yes in a house, yes on a boat, yes in a car, yes on a plane, and yes on a train. The variety and number of communication methods and devices continues to grow as support for ubiquitous broadband grows. Terms like Android, iPhone, App Store, Wi-Max, LTE, BlackBerry, and Skype are becoming familiar words in our national lexicon. Congress' mandate that the Federal Communications Commission (FCC) develop a National Broadband Plan and the FCC's own rule making proceeding on an Open Internet illustrate the emphasis and importance of broadband and emerging communication technology as national resources. Although these innovative technologies bring great promise to the well being, public safety and national security of the United States, they also bring challenges.

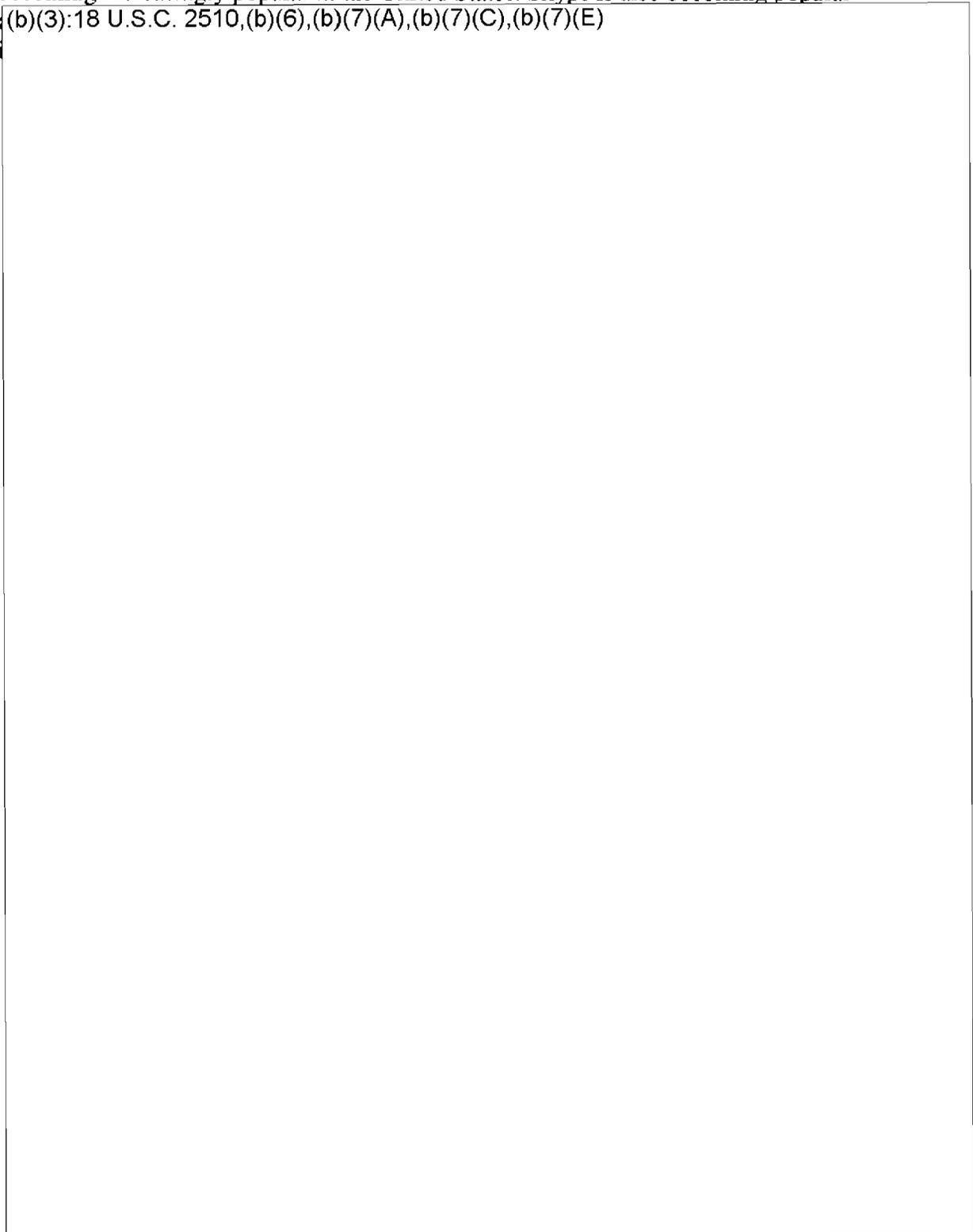
(b)(5),(b)(7)(E)

VOIP / SKYPE CASE EXAMPLES:

Skype is a VoIP service that allows users to chat, instant message, make or receive phone calls or transfer files worldwide over the Internet securely and free of charge. Dialogue is transmitted through a headset, speakers or a USB phone. A new Internet mobile phone service also allows Skype users to converse over the Internet using cell phones.

Launched in 2003, Skype is an efficient and reliable means of communication and is becoming increasingly popular in the United States. Skype is also becoming popular

(b)(3):18 U.S.C. 2510,(b)(6),(b)(7)(A),(b)(7)(C),(b)(7)(E)



(b)(7)(E)

VIRTUAL WORLDS AND ONLINE GAMING CASE EXAMPLES:

A virtual world is a computer-based simulated environment where users bit and interact via avatars, or graphical representations. The virtual world may depict a real world or a fantasy world. Users communicate through text-chat and real-time voiced-based chat. Virtual worlds provide versatility and anonymity and allow for covert communications. Voice-based chat is available through many virtual worlds using VoIP, such as Skype. Online role playing games like Second Life, are increasing in popularity. These games are completely online and require no gaming console, yet provide similar open VoIP, text messaging and IM communications. (b)(7)(E)

(b)(7)(E)

(b)(7)(E)

(b)(7)(D),(b)(7)(E)

VOIP / SKYPE CASE EXAMPLES:

Skype is a VoIP service that allows users to chat, instant message, make or receive phone calls or transfer files worldwide over the Internet securely and free of charge. Dialogue is transmitted through a headset, speakers or a USB phone. A new Internet mobile phone service also allows Skype users to converse over the Internet using cell phones. Launched in 2003, Skype is an efficient and reliable means of communication and is becoming increasingly popular in the United States. Skype is also becoming popular

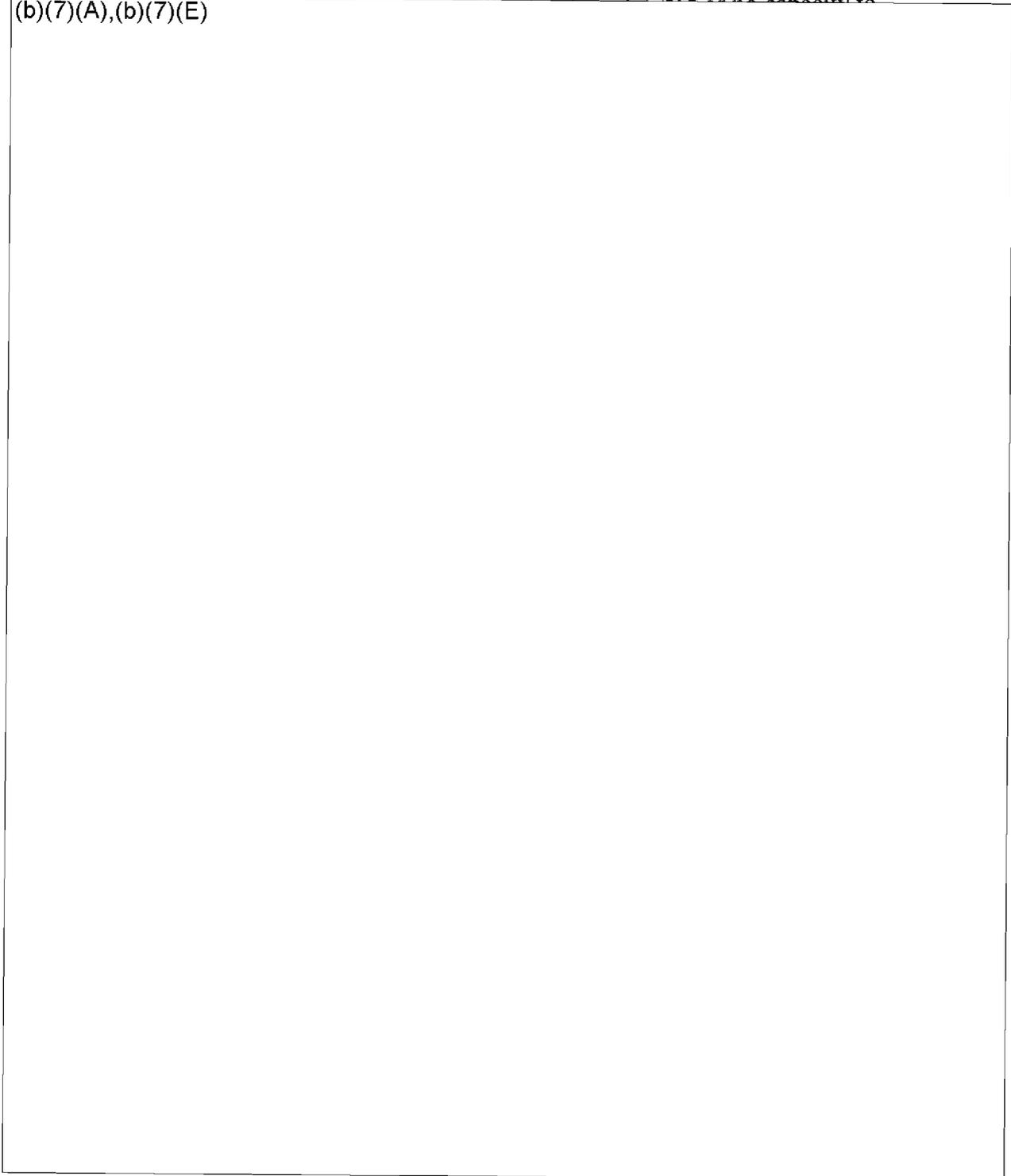
(b)(5),(b)(7)(E)

VOIP / SKYPE CASE EXAMPLES:

Skype is a VoIP service that allows users to chat, instant message, make or receive phone calls or transfer files worldwide over the Internet securely and free of charge. Dialogue is transmitted through a headset, speakers or a USB phone. A new Internet mobile phone service also allows Skype users to converse over the Internet using cell phones.

Launched in 2003, Skype is an efficient and reliable means of communication and is becoming increasingly popular in the United States. Skype is also becoming popular

(b)(7)(A),(b)(7)(E)



VIRTUAL WORLDS AND ONLINE GAMING CASE EXAMPLES:

A virtual world is a computer-based simulated environment where users bit and interact via avatars, or graphical representations. The virtual world may depict a real world or a fantasy world. Users communicate through text-chat and real-time voiced-based chat. Virtual worlds provide versatility and anonymity and allow for covert communications. Voice-based chat is available through many virtual worlds using VoIP, such as Skype. Online role playing games like Second Life, are increasing in popularity. These games are completely online and require no gaming console, yet provide similar open VoIP, text messaging and IM communications.

(b)(7)(D),(b)(7)(E)

VIRTUAL WORLDS AND ONLINE GAMING CASE EXAMPLES:

A virtual world is a computer-based simulated environment where users bit and interact via avatars, or graphical representations. The virtual world may depict a real world or a fantasy world. Users communicate through text-chat and real-time voiced-based chat. Virtual worlds provide versatility and anonymity and allow for covert communications. Voice-based chat is available through many virtual worlds using VoIP, such as Skype. Online role playing games like Second Life, are increasing in popularity. These games are completely online and require no gaming console, yet provide similar open VoIP, text messaging and IM communications.

(b)(5),(b)(7)(D),(b)(7)(E)

(b)(7)(E)

VIRTUAL WORLDS AND ONLINE GAMING CASE EXAMPLES:

A virtual world is a computer-based simulated environment where users bit and interact via avatars, or graphical representations. The virtual world may depict a real world or a fantasy world. Users communicate through text-chat and real-time voiced-based chat. Virtual worlds provide versatility and anonymity and allow for covert communications. Voice-based chat is available through many virtual worlds using VoIP, such as Skype. Online role playing games like Second Life, are increasing in popularity. These games are completely online and require no gaming console, yet provide similar open VoIP, text messaging and IM communications. (b)(7)(E)

(b)(7)(E)

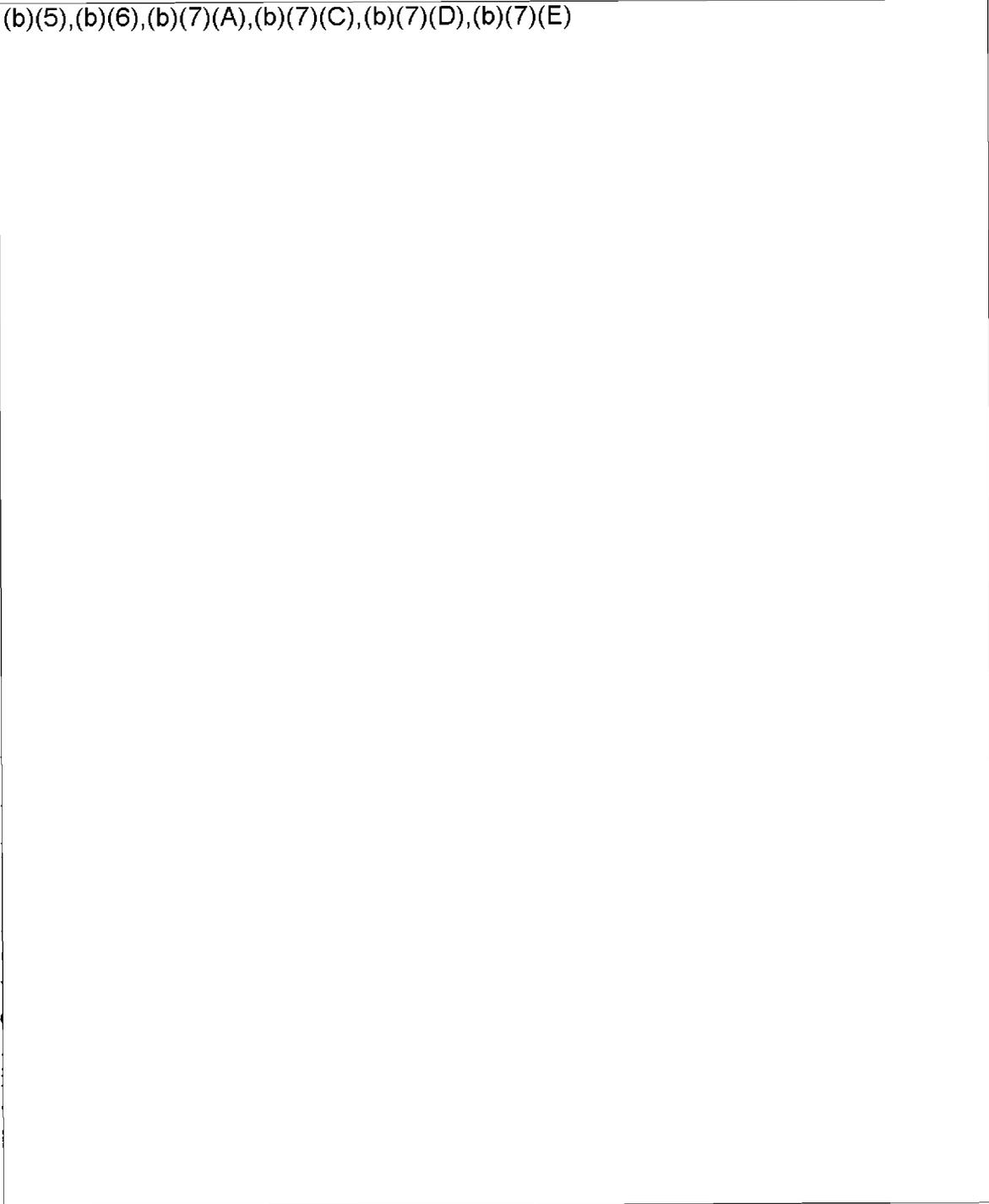
(b)(7)(E)

(b)(7)(D),(b)(7)(E)

VOIP / SKYPE CASE EXAMPLES:

Skype is a VoIP service that allows users to chat, instant message, make or receive phone calls or transfer files worldwide over the Internet securely and free of charge. Dialogue is transmitted through a headset, speakers or a USB phone. A new Internet mobile phone service also allows Skype users to converse over the Internet using cell phones. Launched in 2003, Skype is an efficient and reliable means of communication and is becoming increasingly popular in the United States. Skype is also becoming popular

(b)(5),(b)(6),(b)(7)(A),(b)(7)(C),(b)(7)(D),(b)(7)(E)



Rebtel Overview

Rebtel is a mobile VoIP call back service. With Rebtel you give them the phone number of a friend in another country, and we give you a local number for them. You then save this number on your mobile so you can call your friend whenever you want, for a fraction of your normal international rate. Now, if your friend also has Rebtel, you can call each other for absolutely free. First, call your friend on their Rebtel number. Then, ask your friend to call you back. Tell them to use the number shown on their phone screen. From there, stay on the line. In a few seconds your friend will join you back on the call.

Basic Info

Headquarters	Stockholm, Sweden
Year Established	2006
Call Type(s)	Mobile VoIP Call Back Service
Compatible Phones	You can use Rebtel from any cellular, VoIP or land-line telephone.
Availability	Rebtel service is available anywhere there is a cellular, landline or VoIP connection.
Free Calls	Rebtel users can make free calls to all Rebtel users. With Rebtel there is no need for a new phone number as Rebtel uses your existing cellular, VoIP or land-line telephone to give you free and low cost calling. Rebtel works by taking your existing phone number and assigning it a Rebtel number that other Rebtel users can also use to call you for free. The only new number you will need is a Rebtel local access number that is provided to you when you sign-up.
Phone Number	
Calling Rates	Rebtel offers low cost international calls and free in country calling to other Rebtel users
SMS	Rebtel allows you to initiate phone calls via SMS, but does not offer SMS services
Instant Messaging	Rebtel does not offer instant messaging services
Special Features	With Rebtel there is no need for a new phone number as Rebt uses your existing cellular, VoIP or land-line telephone to give you free and low cost calling. You can access their service via SMS, via the web (or via a mobile web browser) in addition to your VoIP, cellular or landline telephone.

The DEA conducts more Title III intercepts than any other law enforcement agency in the United States. As such, DEA has a significant interest in the impact emerging communication technologies will have on the future of lawful electronic surveillance, and our ability to successfully target the command and control of drug trafficking organizations that pose a significant threat to the security of our country.

(b)(5),(b)(6),(b)(7)(A),(b)(7)(C)

(b)(5),(b)(7)(A),(b)(7)(C),(b)(7)(E)

(b)(2),(b)(5),(b)(6),(b)(7)(A),(b)(7)(C)

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

From: (b)(6),(b)(7)(C)
Sent: Friday, September 24, 2010 4:49 PM
To: Goggin, Wendy H.; Grubbs, Preston L.
Subject: RE: case eg's

I just inquired from TWG whether we had an example like this handy. It may be too late for the NYT article but as this proceeds those examples would be good to have.

From: Goggin, Wendy H.
Sent: Friday, September 24, 2010 4:26 PM
To: Grubbs, Preston L.; (b)(6),(b)(7)(C)
Subject: Re: case eg's

Although this an example where there was a work around solution. The best example is when a bad guy walks with all the money.

From: Grubbs, Preston L.
To: (b)(6),(b)(7)(C) Goggin, Wendy H.
Sent: Fri Sep 24 15:51:06 2010
Subject: RE: case eg's

Ok with me. No more specific information is necessary, correct. PLG

From: (b)(6),(b)(7)(C)
Sent: Friday, September 24, 2010 3:42 PM
To: Grubbs, Preston L.; Goggin, Wendy H.
Subject: FW: case eg's

Preston and Wendy,
I don't see any problem with this, do you? Thanks (b)(6),(b)(7)(C)

From: Sabol, Sherry E. [mailto:Sherry.Sabol@ (b)(2),(b)(6),(b)(7)(C)]
Sent: Friday, September 24, 2010 3:39 PM
To: (b)(6),(b)(7)(C)
Cc: (b)(6),(b)(7)
Subject: FW: case eg's

(b)(6),(b)(7)(C) does DEA have any issue/objection to us providing the following to the NY Times as an example for Going Dark?

-
- (b)(7)(E)
-

In 2010, we investigated (b)(7)(E) Drug Trafficking Organization that used a peer-to-peer application (b)(7)(E)

- o Because peer-to-peer applications (b)(7)(E) they are difficult to intercept.

- o This forced DEA and FBI to use a risky, court-ordered entry at the target's office to install (b)(7)(E)
- o Eventually, we obtained an indictment and (b)(7)(E) (b)(7)(E) solution in this particular case created delays and prevented the interception of pertinent communications.

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

From: (b)(6),(b)(7)(C)
Sent: Monday, July 20, 2009 5:59 PM
To: (b)(6),(b)(7)(C)
Cc:
Subject: RE: JMD Briefing on Going Dark
Attachments: doj-08-20-redacted.pdf

(b)(5),(b)(7)(E)

As we all know too well convergence is alive and well and is growing exponentially daily - as of February 11th, 2009, Apple reported more than 20,000 applications on their App Store (072009, <http://www.electronicpulp.net/2009/02/11/apples-iphone-app-store-now-hosts-20000-applications/>.)

(b)(5),(b)(7)(E)

I've also included the DOJ's IG Report on CALEA. Note the first paragraph where they highlight the following:

"Criminal organizations and individuals frequently use the telecommunication systems of the United States to further serious crimes, including terrorism, kidnapping, extortion, organized crime, drug trafficking, and public corruption. One of the most effective tools law enforcement agencies use to acquire evidence of these crimes is electronic surveillance techniques. **However, continuing advances in telecommunication technology have impaired and in some instances prevented law enforcement from conducting some types of authorized electronic surveillance.**" (8-20-08, DOJ IG Audit Redacted Report)

Please let me know if this helps or if you need anything further.

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

(b)(5),(b)(6),(b)(7)(C),(b)(7)(E)

(b)(5),(b)(7)(E)

In March 2008, the U.S. Department of Justice (DOJ), Office of the Inspector General (IG) issued its Audit Report on the Implementation of the Communications Assistance for Law Enforcement Act (CALEA). In its executive summary, the report stated *“Criminal organizations and individuals frequently use the telecommunication systems of the United States to further serious crimes, including terrorism, kidnapping, extortion, organized crime, drug trafficking, and public corruption. One of the most effective tools law enforcement agencies use to acquire evidence of these crimes is electronic surveillance techniques. However, continuing advances in telecommunication technology have impaired and in some instances prevented law enforcement from conducting some types of authorized electronic surveillance.”* (8-20-08, DOJ IG Audit Redacted Report).

(b)(5),(b)(7)(E)

(b)(5),(b)(7)(E)

Convergence is alive and well and is growing exponentially daily - as of February 11th, 2009, Apple reported more than 20,000 applications on their App Store.

<http://www.electronicpulp.net/2009/02/11/apples-iphone-app-store-now-hosts-20000-applications/>.

(b)(5),(b)(7)(E)

(b)(5),(b)(7)(E)

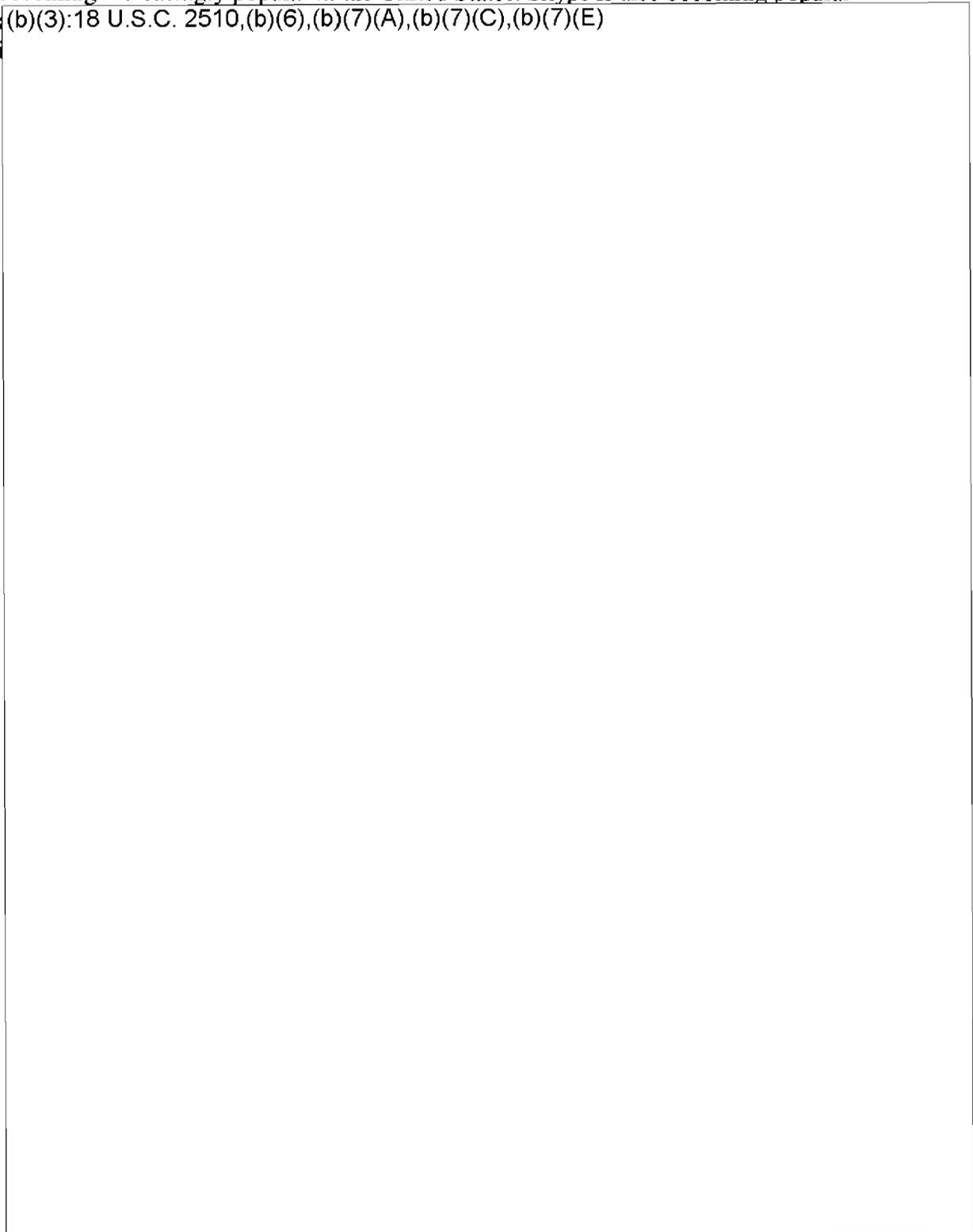
Today the ability to communicate on a mobile device can occur almost anywhere—yes in a house, yes on a boat, yes in a car, yes on a plane, and yes on a train. The variety and number of communication methods and devices continues to grow as support for ubiquitous broadband grows. Terms like Android, iPhone, App Store, Wi-Max, LTE, BlackBerry, and Skype are becoming familiar words in our national lexicon. Congress' mandate that the Federal Communications Commission (FCC) develop a National Broadband Plan and the FCC's own rule making proceeding on an Open Internet illustrate the emphasis and importance of broadband and emerging communication technology as national resources. Although these innovative technologies bring great promise to the well being, public safety and national security of the United States, they also bring challenges.

(b)(5),(b)(7)(E)

VOIP / SKYPE CASE EXAMPLES:

Skype is a VoIP service that allows users to chat, instant message, make or receive phone calls or transfer files worldwide over the Internet securely and free of charge. Dialogue is transmitted through a headset, speakers or a USB phone. A new Internet mobile phone service also allows Skype users to converse over the Internet using cell phones. Launched in 2003, Skype is an efficient and reliable means of communication and is becoming increasingly popular in the United States. Skype is also becoming popular

(b)(3):18 U.S.C. 2510,(b)(6),(b)(7)(A),(b)(7)(C),(b)(7)(E)



(b)(7)(E)

VIRTUAL WORLDS AND ONLINE GAMING CASE EXAMPLES:

A virtual world is a computer-based simulated environment where users bit and interact via avatars, or graphical representations. The virtual world may depict a real world or a fantasy world. Users communicate through text-chat and real-time voiced-based chat. Virtual worlds provide versatility and anonymity and allow for covert communications. Voice-based chat is available through many virtual worlds using VoIP, such as Skype. Online role playing games like Second Life, are increasing in popularity. These games are completely online and require no gaming console, yet provide similar open VoIP, text messaging and IM communications. (b)(7)(E)

(b)(7)(E)

(b)(7)(E)

(b)(7)(D),(b)(7)(E)

VOIP / SKYPE CASE EXAMPLES:

Skype is a VoIP service that allows users to chat, instant message, make or receive phone calls or transfer files worldwide over the Internet securely and free of charge. Dialogue is transmitted through a headset, speakers or a USB phone. A new Internet mobile phone service also allows Skype users to converse over the Internet using cell phones. Launched in 2003, Skype is an efficient and reliable means of communication and is becoming increasingly popular in the United States. Skype is also becoming popular

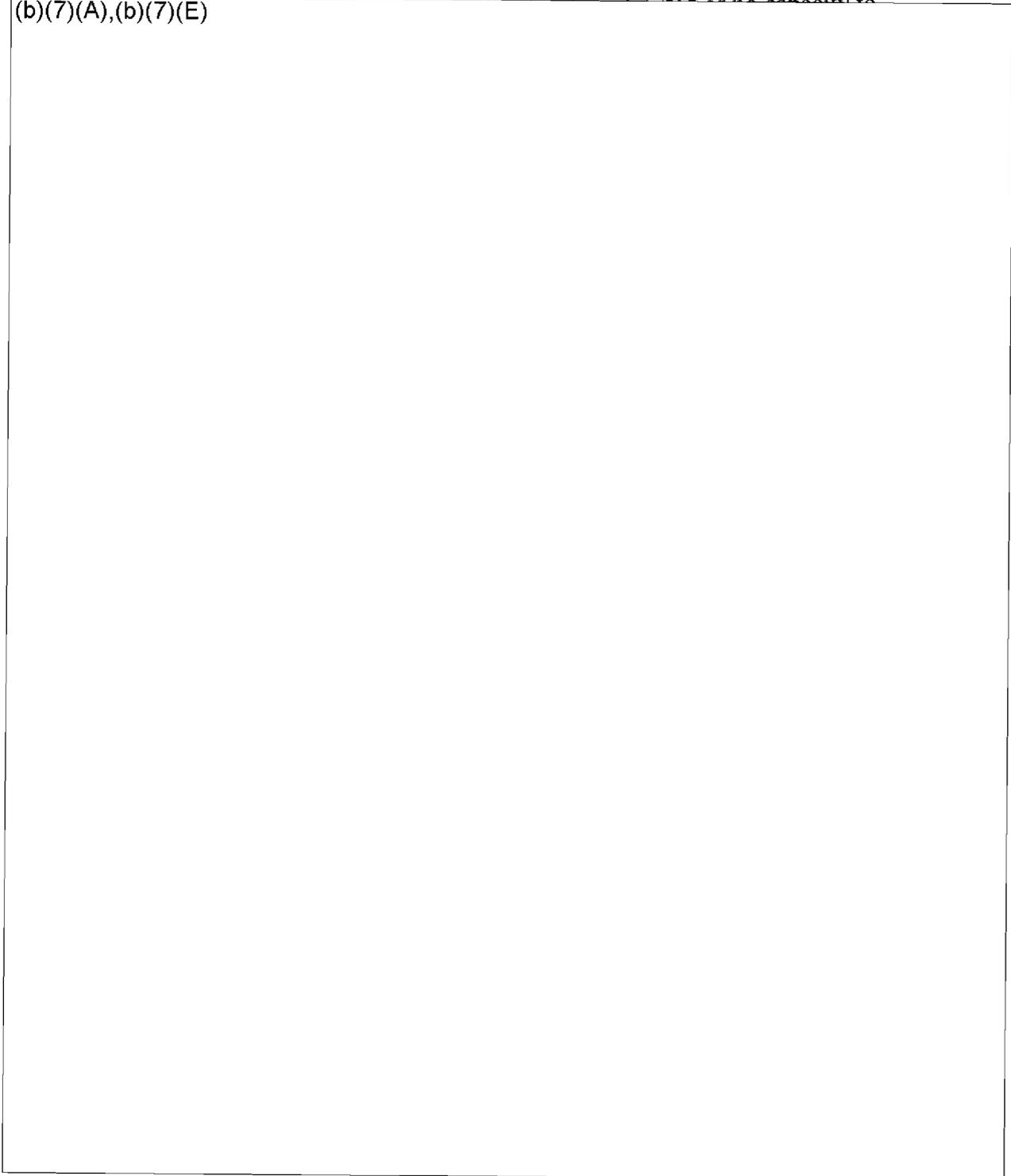
(b)(5),(b)(7)(E)

VOIP / SKYPE CASE EXAMPLES:

Skype is a VoIP service that allows users to chat, instant message, make or receive phone calls or transfer files worldwide over the Internet securely and free of charge. Dialogue is transmitted through a headset, speakers or a USB phone. A new Internet mobile phone service also allows Skype users to converse over the Internet using cell phones.

Launched in 2003, Skype is an efficient and reliable means of communication and is becoming increasingly popular in the United States. Skype is also becoming popular

(b)(7)(A),(b)(7)(E)



VIRTUAL WORLDS AND ONLINE GAMING CASE EXAMPLES:

A virtual world is a computer-based simulated environment where users bit and interact via avatars, or graphical representations. The virtual world may depict a real world or a fantasy world. Users communicate through text-chat and real-time voiced-based chat. Virtual worlds provide versatility and anonymity and allow for covert communications. Voice-based chat is available through many virtual worlds using VoIP, such as Skype. Online role playing games like Second Life, are increasing in popularity. These games are completely online and require no gaming console, yet provide similar open VoIP, text messaging and IM communications.

(b)(7)(D),(b)(7)(E)

VIRTUAL WORLDS AND ONLINE GAMING CASE EXAMPLES:

A virtual world is a computer-based simulated environment where users bit and interact via avatars, or graphical representations. The virtual world may depict a real world or a fantasy world. Users communicate through text-chat and real-time voiced-based chat. Virtual worlds provide versatility and anonymity and allow for covert communications. Voice-based chat is available through many virtual worlds using VoIP, such as Skype. Online role playing games like Second Life, are increasing in popularity. These games are completely online and require no gaming console, yet provide similar open VoIP, text messaging and IM communications.

(b)(5),(b)(7)(D),(b)(7)(E)

(b)(7)(E)

VIRTUAL WORLDS AND ONLINE GAMING CASE EXAMPLES:

A virtual world is a computer-based simulated environment where users bit and interact via avatars, or graphical representations. The virtual world may depict a real world or a fantasy world. Users communicate through text-chat and real-time voiced-based chat. Virtual worlds provide versatility and anonymity and allow for covert communications. Voice-based chat is available through many virtual worlds using VoIP, such as Skype. Online role playing games like Second Life, are increasing in popularity. These games are completely online and require no gaming console, yet provide similar open VoIP, text messaging and IM communications. (b)(7)(E)

(b)(7)(E)

(b)(7)(E)

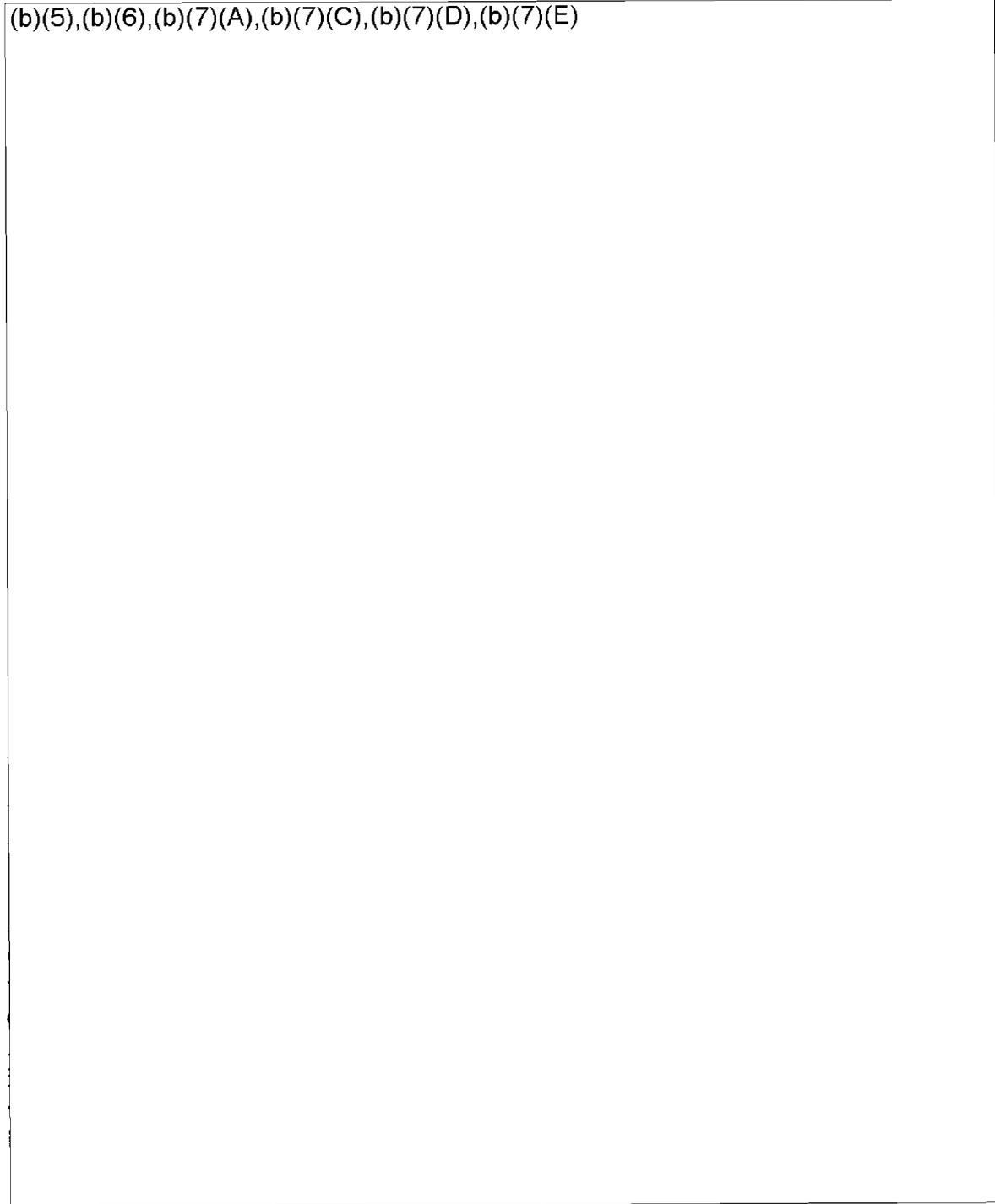
(b)(7)(D),(b)(7)(E)

VOIP / SKYPE CASE EXAMPLES:

Skype is a VoIP service that allows users to chat, instant message, make or receive phone calls or transfer files worldwide over the Internet securely and free of charge. Dialogue is transmitted through a headset, speakers or a USB phone. A new Internet mobile phone service also allows Skype users to converse over the Internet using cell phones.

Launched in 2003, Skype is an efficient and reliable means of communication and is becoming increasingly popular in the United States. Skype is also becoming popular

(b)(5),(b)(6),(b)(7)(A),(b)(7)(C),(b)(7)(D),(b)(7)(E)



Rebtel Overview

Rebtel is a mobile VoIP call back service. With Rebtel you give them the phone number of a friend in another country, and we give you a local number for them. You then save this number on your mobile so you can call your friend whenever you want, for a fraction of your normal international rate. Now, if your friend also has Rebtel, you can call each other for absolutely free. First, call your friend on their Rebtel number. Then, ask your friend to call you back. Tell them to use the number shown on their phone screen. From there, stay on the line. In a few seconds your friend will join you back on the call.

Basic Info

Headquarters	Stockholm, Sweden
Year Established	2006
Call Type(s)	Mobile VoIP Call Back Service
Compatible Phones	You can use Rebtel from any cellular, VoIP or land-line telephone.
Availability	Rebtel service is available anywhere there is a cellular, landline or VoIP connection.
Free Calls	Rebtel users can make free calls to all Rebtel users. With Rebtel there is no need for a new phone number as Rebtel uses your existing cellular, VoIP or land-line telephone to give you free and low cost calling. Rebtel works by taking your existing phone number and assigning it a Rebtel number that other Rebtel users can also use to call you for free. The only new number you will need is a Rebtel local access number that is provided to you when you sign-up.
Phone Number	
Calling Rates	Rebtel offers low cost international calls and free in country calling to other Rebtel users
SMS	Rebtel allows you to initiate phone calls via SMS, but does not offer SMS services
Instant Messaging	Rebtel does not offer instant messaging services
Special Features	With Rebtel there is no need for a new phone number as Rebt uses your existing cellular, VoIP or land-line telephone to give you free and low cost calling. You can access their service via SMS, via the web (or via a mobile web browser) in addition to your VoIP, cellular or landline telephone.

The DEA conducts more Title III intercepts than any other law enforcement agency in the United States. As such, DEA has a significant interest in the impact emerging communication technologies will have on the future of lawful electronic surveillance, and our ability to successfully target the command and control of drug trafficking organizations that pose a significant threat to the security of our country.

(b)(5),(b)(6),(b)(7)(A),(b)(7)(C)

(b)(5),(b)(7)(A),(b)(7)(C),(b)(7)(E)

(b)(2),(b)(5),(b)(6),(b)(7)(A),(b)(7)(C)

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

From: (b)(6),(b)(7)(C)
Sent: Friday, September 24, 2010 4:49 PM
To: Goggin, Wendy H.; Grubbs, Preston L.
Subject: RE: case eg's

I just inquired from TWG whether we had an example like this handy. It may be too late for the NYT article but as this proceeds those examples would be good to have.

From: Goggin, Wendy H.
Sent: Friday, September 24, 2010 4:26 PM
To: Grubbs, Preston L.; (b)(6),(b)(7)(C)
Subject: Re: case eg's

Although this an example where there was a work around solution. The best example is when a bad guy walks with all the money.

From: Grubbs, Preston L.
To: (b)(6),(b)(7)(C) Goggin, Wendy H.
Sent: Fri Sep 24 15:51:06 2010
Subject: RE: case eg's

Ok with me. No more specific information is necessary, correct. PLG

From: (b)(6),(b)(7)(C)
Sent: Friday, September 24, 2010 3:42 PM
To: Grubbs, Preston L.; Goggin, Wendy H.
Subject: FW: case eg's

Preston and Wendy,
I don't see any problem with this, do you? Thanks (b)(6),(b)(7)(C)

From: Sabol, Sherry E. [mailto:Sherry.Sabol@ (b)(2),(b)(6),(b)(7)(C)]
Sent: Friday, September 24, 2010 3:39 PM
To: (b)(6),(b)(7)(C)
Cc: (b)(6),(b)(7)
Subject: FW: case eg's

(b)(6),(b)(7)(C) does DEA have any issue/objection to us providing the following to the NY Times as an example for Going Dark?

-
- (b)(7)(E)
-

In 2010, we investigated (b)(7)(E) Drug Trafficking Organization that used a peer-to-peer application (b)(7)(E)

- o Because peer-to-peer applications (b)(7)(E) they are difficult to intercept.

- o This forced DEA and FBI to use a risky, court-ordered entry at the target's office to install (b)(7)(E)
- o Eventually, we obtained an indictment and (b)(7)(E) (b)(7)(E) solution in this particular case created delays and prevented the interception of pertinent communications.