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It's a dangerous world

This document will introduce you to the [redacted] and it's modes of operation.

Within the FBI [redacted] is most often used in two different settings, [redacted]

TTU/OTD 008665

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The Federal Bureau of Investigation,

Tracking Technology Unit presents:

[redacted]

Revised 10-25-11

~~Unclassified/For Official Use Only/Law Enforcement Sensitive~~

The Federal Bureau of Investigation, Tracking Technology Unit presents the [redacted]

[redacted]

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5

Operating Modes

6

TTU/OTD 00 8666

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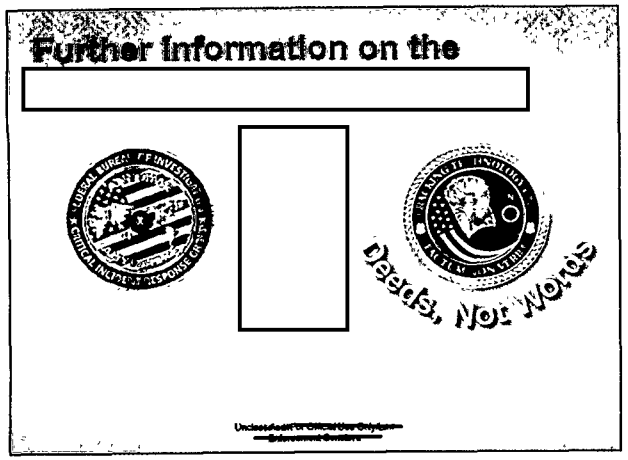

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US V Jones

TTU/OTD 008568

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[redacted] Application

Concept of Operation

[redacted]

b7E

[redacted]

TTU/OTD 008673

[redacted]

b7E

For additional information regarding the deployment of [redacted] application, please contact;

b7E

Technology Division

[redacted]

Tracking Technology Unit

[redacted] Program Manager

[redacted] Electronics Technician

[redacted]

b6
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Tracking Technology Unit
Trilogy Webcast

[redacted] b7E

October 6, 2011

TTU [redacted] Generic Overview

b7E

[redacted]

Objectives

[redacted]

b7E

Todays Presenters

[redacted]

b6
b7C

- Email questions to [redacted]

Future Webcasts

- Goal is to hold monthly webcasts on Thursday, 1st or 2nd week of the month
- November 10 – Selecting the Best Option for Surveillance Tracking
- December 8- Comprehensive Overview of

The Tracking Technology Unit (TTU) of OTD is pleased to announce the first in a new series of webcasts focused on tracking technology. The webcasts will be conducted in Quantico, VA and broadcast live, as well archived for future viewing. The webcasts will be scheduled monthly and a schedule for the rest of the calendar year will be released shortly.

The first webcast titled "TTU Surveillance Tracking Devices" will take place on Thursday, September 1, 2011 at 12:30 PM EST. The webinar will cover devices used in surveillance tracking:

[redacted] b7E

Participants may connect from their Trilogy machines to the following website

[redacted]

as early as 12:15 PM EST. A copy of the presentation materials will be made available next week.

Participants are encouraged to interact with the speakers by sending questions to [redacted] either during the webcast or in advance. b6 b7C

TTU/OTD 008677

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[redacted] Application

Concept of Operation

[redacted]

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OTD [redacted]

b7E

[redacted]

Tracking Devices

July 19,2011

Introduction

- Operational Technology Division (OTD)
- [redacted]
- Tracking Technology Unit (TTU)
- [redacted] Unit Chief
- [redacted] Program Manager Geospatial Information Systems [redacted]
- [redacted]

b6
b7C
b7E

b7E

GPS SURVEILLANCE TRACKING DATA IS

NOT EVIDENCE!

b7E

GPS SURVEILLANCE TRACKING DATA IS

NOT EVIDENCE!

GPS SURVEILLANCE TRACKING DATA IS

NOT EVIDENCE!

21

b7E

22

Using Tracking Data with [redacted]

b7E

b6
b7C
b7E

Using Tracking Data with

b7E

TEST

- What are the "TOP THREE" reasons why GPS surveillance data should not be introduced as evidence?
- 1. Data Integrity
- 2. GPS Drift
- 3. Address Data is approximate

Thank You!

b6
b7C
b7E

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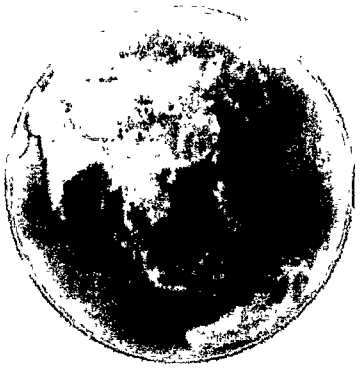
Tracking Technology Unit

Mapping Foundations Quiz

TTU/OTD · 008466

Question 1 of 20:

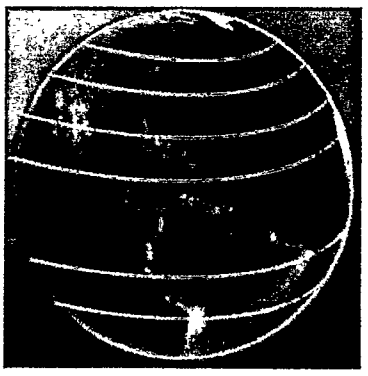
The equator is considered the zero point of longitude



- ○ True
- ✓ False

Question 2 of 20:

As you travel from the equator towards the South Pole, latitudes grow more negative



- ✓ True
- ○ False

TTU/OTD 008476

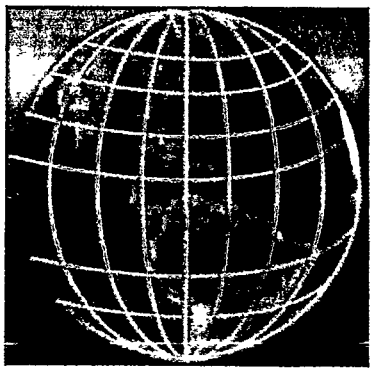
Question 3 of 20:

The earth rotates along it's magnetic axis

- ○ True
- ⊗ False

Question 4 of 20:

A line of longitude forms a ring that circles the earth



- ○ True
- ⊗ False

TTU/OTD 008467

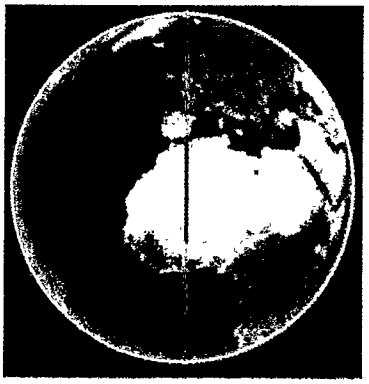
Question 5 of 20:

The Greenwich longitude of 0 degrees is also known as the prime meridian

- ⊕ True
- ○ False

Question 6 of 20:

When you travel eastward from the prime meridian of longitude, how does the longitude increase:

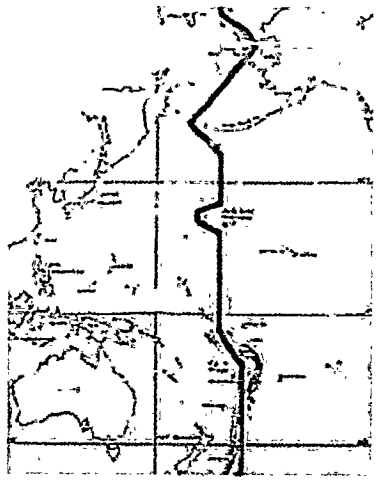


- ☐ Negatively
- ☒ Positively

TTU/OTD 008475

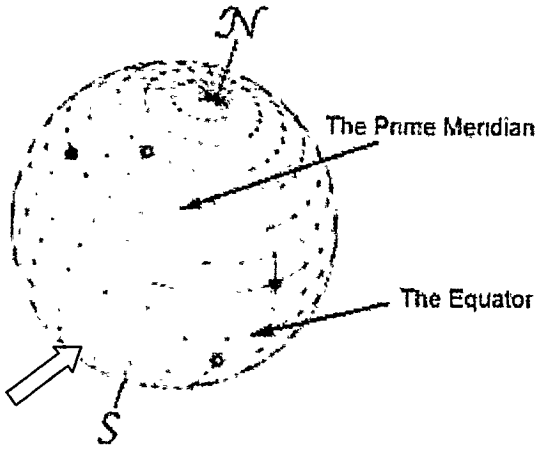
Question 7 of 20:

Are the days indicated correctly across the International Date line?



- ○ True
- ☒ False

For the following illustration, which correctly describe the Orange dot? (You may need to scroll down to see all of the choices)



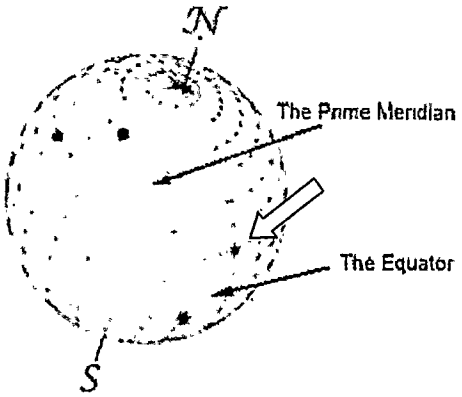
Latitude is show every 10 degrees
Longitude is shown every 15 degrees
Example: Red dot is 60 N, 30 W

- ☐ Latitude 10
- ☐ Latitude 20
- ☐ Latitude 30
- ☐ Latitude South
- ☐ Latitude North
- ☐ Longitude 15
- ☐ Longitude 30
- ☐ Longitude East
- ☐ Longitude West

TTU/OTD 008468

For the following illustration, which correctly describe the Green dot? (You may need to scroll down to see all of the choices)

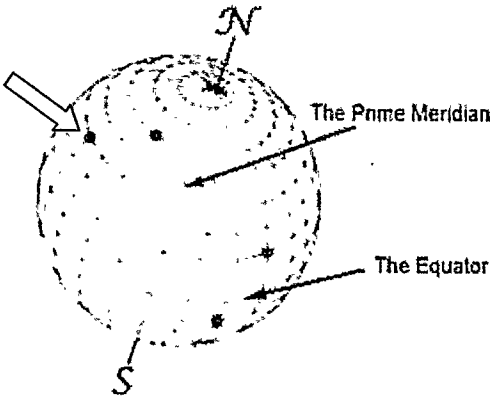
- ☐ Latitude 10
- ☐ Latitude 20
- ☐ Latitude 30
- ☐ Latitude South
- ☐ Latitude North
- ☐ Longitude 15
- ☐ Longitude 30
- ☐ Longitude 45
- ☐ Longitude East
- ☐ Longitude West



Latitude is show every 10 degrees
Longitude is shown every 15 degrees
Example: Red dot is 60 N, 30 W

For the following illustration, which correctly describe the Blue dot? (You may need to scroll down to see all of the choices)

- ☐ Latitude 20
- ☐ Latitude 30
- ☐ Latitude 40
- ☐ Latitude South
- ☐ Latitude North
- ☐ Longitude 30
- ☐ Longitude 45
- ☐ Longitude 60
- ☐ Longitude East
- ☐ Longitude West

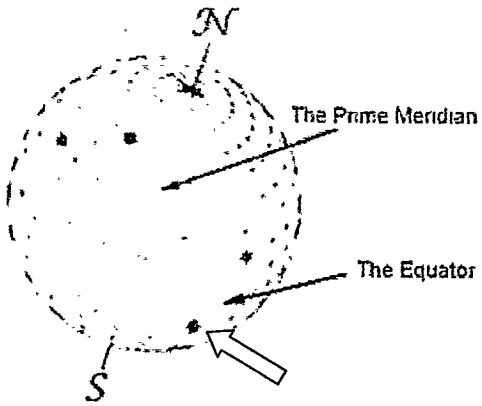


Latitude is show every 10 degrees
Longitude is shown every 15 degrees
Example: Red dot is 60 N, 30 W

TTU/OTD 008474

For the following illustration, which correctly describe the Purple dot? (You may need to scroll down to see all of the choices)

- ☐ Latitude 10
- ☐ Latitude 20
- ☐ Latitude 30
- ☐ Latitude South
- ☐ Latitude North
- ☐ Longitude 30
- ☐ Longitude 45
- ☐ Longitude 60
- ☐ Longitude East
- ☐ Longitude West



Latitude is show every 10 degrees
Longitude is shown every 15 degrees
Example: Red dot is 60 N, 30 W

Question 12 of 20:

As you move from the equator towards the North Pole, Longitudes grow more positively.

- ( ) True
- (X) False

TTU/OTD 008469

Question 13 of 20:

Map projection refers to the method by which the three dimensional Earth's surface is portrayed onto a two dimensional map.

- (✓) True
- ( ) False

Question 14 of 20:

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TTU/OTD 008473

Question 15 of 20:

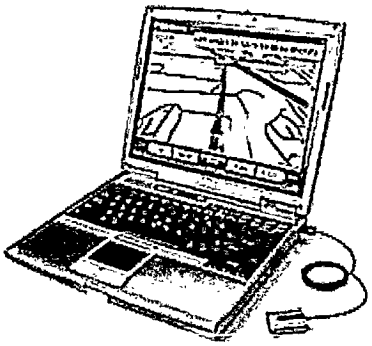
The components that make up the GPS system include the constellation of Satellites, the Earth _____ and the GPS receivers

Control Station

Question 16 of 20:

Current generation GPS receivers can be adjusted to coordinate with different map datum sets.

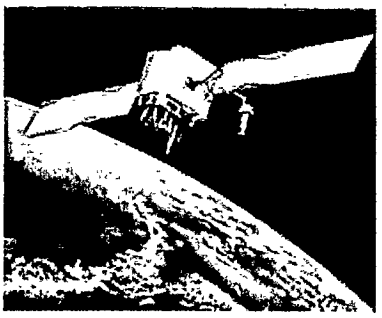
- (X) True
- ( ) False



TTU/OTD 008470

Question 17 of 20:

The GPS system contains at least 24 satellites that hover above the earth in geosynchronous orbit.



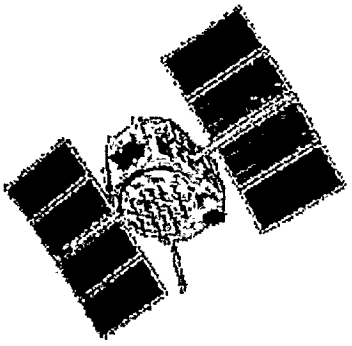
- ( ) True
- (✓) False

Question 18 of 20:

One key component of each GPS satellite is

the _____ _____ that provides precise timing for the system.

Atomic Clock

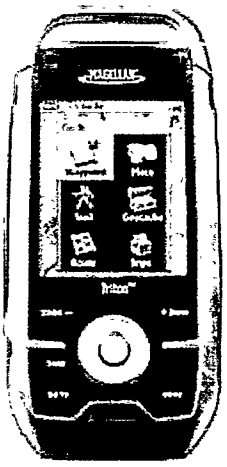


TTU/OTD 008472

Question 19 of 20:

It takes signals from at least _____ GPS satellites to obtain a position on the earth

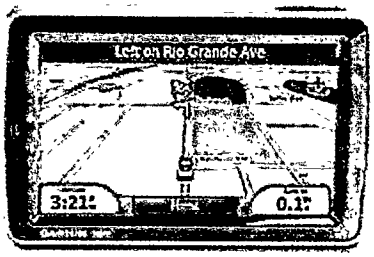
4



Question 20 of 20:

A GPS receiver uses which of the following to determine statellite location and distance?

Choose all that apply



- [ ] Moon Phase data
- [x] Ephemeris data
- [ ] Time of departure data
- [x] Almanac data
- [x] Time of arrival data
- [ ] Epidermis data
- [ ] Farmer's almanac data

TTU/OTD 008471

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Federal Bureau of Investigation
Tracking Technology Unit

TTU/OTD 005022

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[redacted] used for Covert tracking

[redacted]

Pros

[redacted]

Cons

TTU/OTD 005023

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TTU Devices used for [redacted]

Pros:	
Cons:	

TTU/OTD 005024

b3
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TTU Devices used for Covert tracking

Pros:

Cons:

TTU/OTD 005025

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TTU Devices used for Covert tracking

Pros:	
Cons:	

TTU/OTD 005026

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TTU Devices used for Covert tracking

Pros:	
Cons:	

TTU/OTD 005027

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TTU Devices used for Covert tracking

Pros:

Cons:

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Pros:	
Cons:	
Expected availability	

TTU/OTD 005029

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Practical Exercise #2

Use of [redacted] **techniques**

b6
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b7E

Administrators: [redacted]

Goal: Be the first to approach the target and you may just win a prize. Afterward, join your classmates and administrators for a bite to eat!

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Practical Exercise #3

Use of [redacted] devices to live-track different devices simultaneously

b6
b7C
b7E

Administrators: [redacted]

Goal: Stay on your assigned target for as long as you can either maintain your cover or until TTU Command calls off the surveillance operation. Meet back in the classroom at ERF to debrief and share what you've learned about your intelligence and organized crime targets.

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Practical Exercise #2

Use of [redacted] **techniques**

b6
b7C
b7E

Administrators: [redacted]

Goal: Join your classmates and administrators for a bite to eat!

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The Federal Bureau of Investigation,

Tracking Technology Unit presents:

[redacted]

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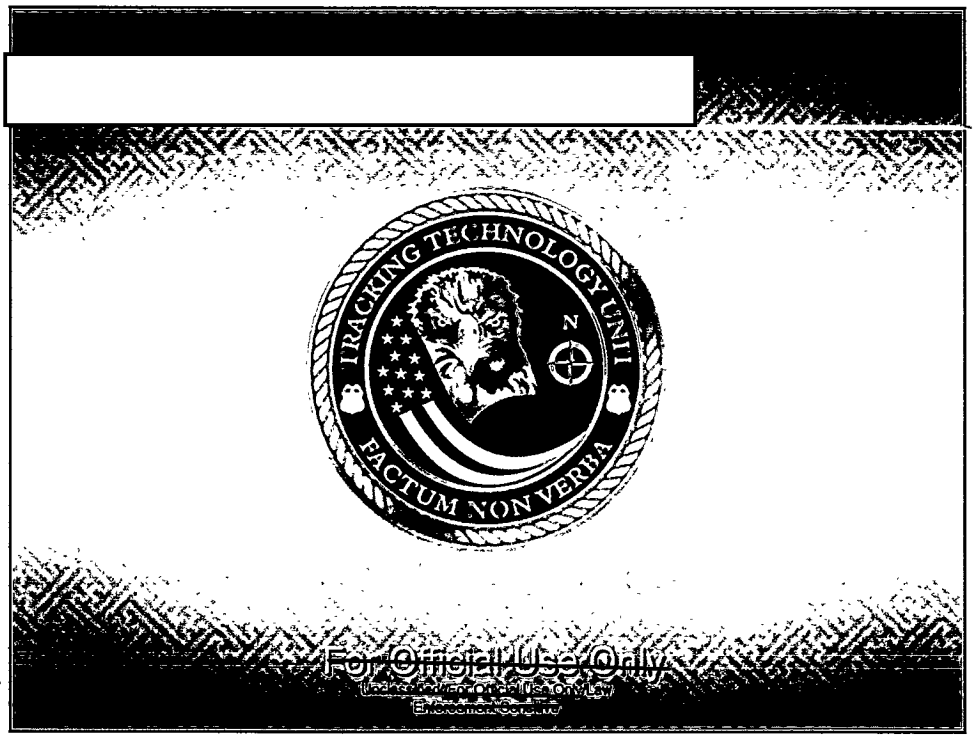
Revised 10-25-11

The Federal Bureau of Investigation, Tracking Technology Unit presents the [redacted]

[redacted] b7E



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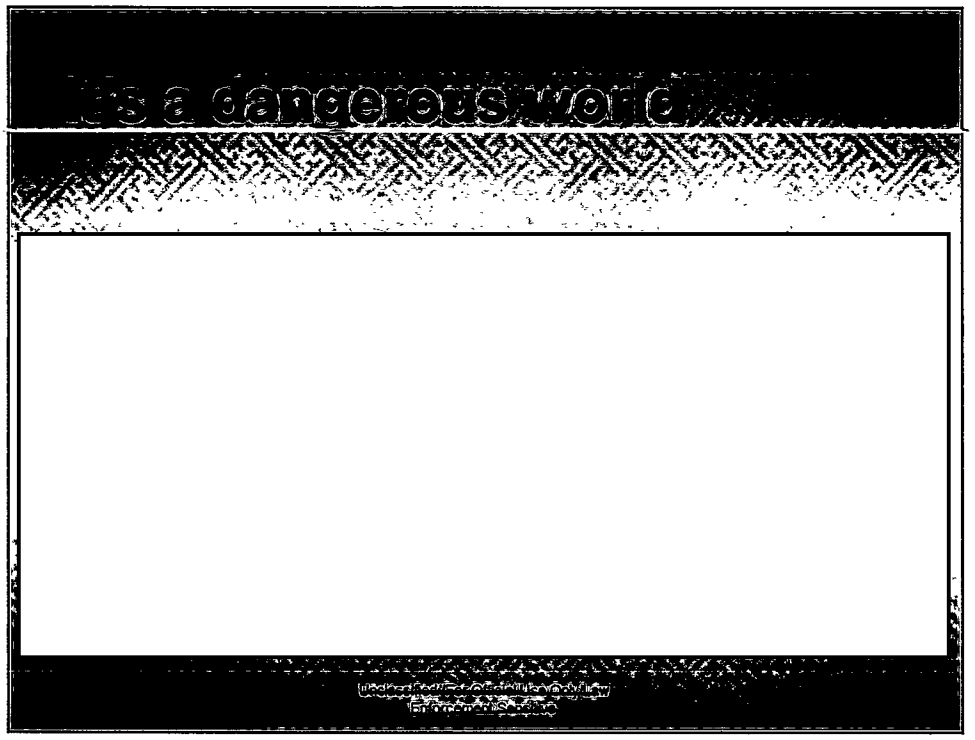

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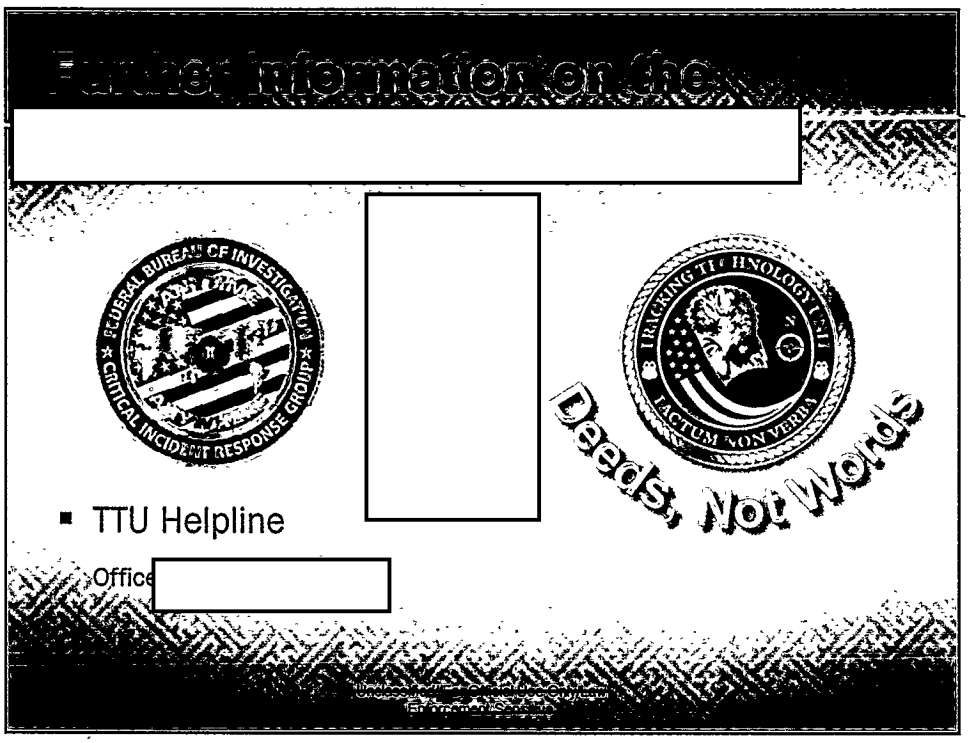
This brief course will introduce you to the [redacted] and it's modes of operation.

[redacted]

TTU/OTD 006827



b7E

Thank you for taking the time to watch this presentation on The [redacted] I hope you will feel more comfortable in knowing how the system works and how to issue commands. For further information about the application, or other questions concerning the [redacted] program, please the numbers shown on your screen..

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[redacted]

Installation Guide

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[redacted]

* This must be re-installed when upgrading from [redacted] or earlier to the current version.

TTU/OTD 007107

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Installation, Operation, & Maintenance

Tracking Technology Unit

07/15/2009

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Tracking Technology Unit

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User's Manual

July 20, 2009

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Tracking Technology Unit

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User's Guide

June 24, 2010

[redacted]

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It's a dangerous world

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b7E

This document will introduce you to the [redacted] and it's modes of operation.

[redacted]

Further Information on the

[redacted]

b7E

[redacted]

Deeds, Not Words

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Tracking Technology Unit

[redacted]

b7E

User's Guide

May 25, 2011

TTU/OTD 006258

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Tracking Technology Unit

[redacted]

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User's Guide

May 4, 2011

TTU/OTD 006275

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User's Guide

Jan 11,2012

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User's Guide

April 21, 2011

~~SECRET~~ (U)

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REASON: 1.4 (c)
DECLASSIFY ON: 04-10-2038

Operational Technology Division

[redacted] b7E

~~Tracking Technology Unit~~

Geospatial Information Systems Program

Program Overview

Prepared by: [redacted] b6 b7C

28 July 2010

~~SECRET~~ (U)

INTRODUCTION

This document is intended for use by the incoming GISP Program Manager. It contains information and opinions from the author. Any rebroadcast or other use is strictly prohibited by the..... The opinions expressed by the author do not constitute official positions of the Tracking Technology Unit (TTU), the [redacted], the Operational Technology Division (OTD) or the FBI. b7E

[redacted]

PROGRAM BACKGROUND

In October 2005, I accepted a reassignment from the [redacted] to the Physical Surveillance Unit (former name of TTU). b7E

[redacted]

At that same time, UC [redacted] was assigned to this unit. After review of current capabilities, UC [redacted] issued the following three challenges; b6 b7C b7E

1. [redacted]
2.
3.

In addition to these priorities, the TTU initiated an effort to provide

[redacted]

There is a "rest of the story" which we can discuss, but for now, we'll just say that change affects some people in a negative way. In 2006, I was given the opportunity to serve as program manager, to make these things happen and to

restore the FBI's Tracking capability to first among other federal law enforcement and intelligence community partners.

b7E

FUTURE [redacted] GOALS

[redacted] b7E

CONCLUSION

You might wonder why I am the former and acting PM. It has nothing to do with my commitment (or lack of) to seeing the TTU's goals realized. It has more to do with wanting to see the [redacted] available to our field agents, analysts and surveillance personnel. The goals set in 2005 have been realized. This system must go forward and I realize that I am a better soldier in the trench, than a commander. The ultimate system capability will happen, whether it is you, me or someone else. We need capabilities like the movie,"Enemy of the State," or the TV show,"NCIS." b7E

Maybe that's why I am crazy, I watch too much TV.

[redacted] b6 b7C

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OTD/TTU Support to [redacted] Tools

b7E

8/31/2011

BACKGROUND

In 2007 the ability to [redacted] was discussed between SIOC, [redacted] and TTU. [redacted]

[redacted] b7E

[redacted] personnel were trained on the use of the [redacted] A maintenance plan has been instituted for the deployed devices as well as to implement new devices in requested locations.

Additional devices have been identified since 2007 that expand the capability and coverage. [redacted] b7E

See table below for a summarized list of currently deployed technology. [redacted] b7E

ISSUES

No single solution will ensure [redacted] b7E due to the following factors:

[redacted]

TTU/OTD 005345

b7E

RECOMMENDATION

To overcome some of the limitations identified,

- Supply multiple solutions to meet differing mission and environmental factors.
-
-
-
-
-

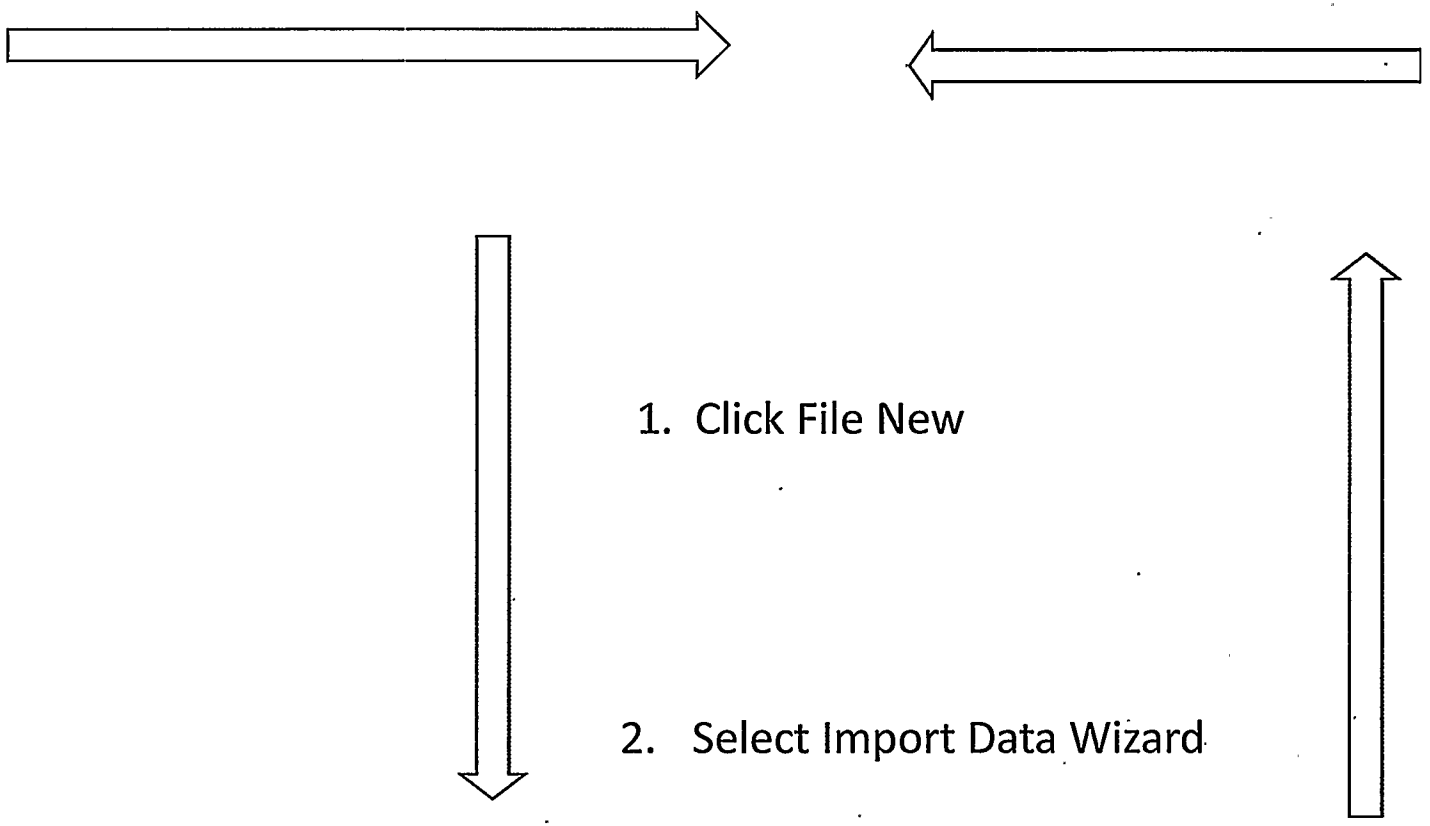
b7E

Equipment Device

b7E

Equipment			Device
	N/A	N/A	

b7E



TTU/OTD 003667

Import to ARCmap

- 5 slides

TTU/OTD 003673

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TTU/OTD 003674

OTD [redacted] b7E

[redacted]

Tracking Devices

July 19,2011

Introduction

- Operational Technology Division (OTD)
- [redacted] b7E
- Tracking Technology Unit (TTU)
- [redacted] Unit Chief
- [redacted] Program Manager Geospatial Information Systems [redacted] b6 b7C
- [redacted]
- [redacted]

TTU/OTD 003675

GPS SURVEILLANCE TRACKING DATA IS

NOT EVIDENCE!

TTU/OTD 003681

Using Tracking Data:

[redacted]

b7E

TTU/OTD 003690

Using Tracking Data:

[redacted] b7E

TTU/OTD 003699

Using Tracking Data:

[redacted] b7E

TTU/OTD 003722

TEST

- What are the "TOP THREE" reasons why GPS surveillance data should not be introduced as evidence?
- 1. Data Integrity
- 2. GPS Drift
- 3. Address Data is approximate

TTU/OTD 003732

Thank You!

- [redacted]
- [redacted]

b6
b7C
b7E

TTU/OTD 003733

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FBI
Tracking Technology Unit

TTU/OTD 003734

[redacted], Unit Chief

[redacted] Program Manager

[redacted]

b6
b7C
b7E

TTU/OTD 003735

b7E

FBI [redacted] Backup/Recovery

[redacted]

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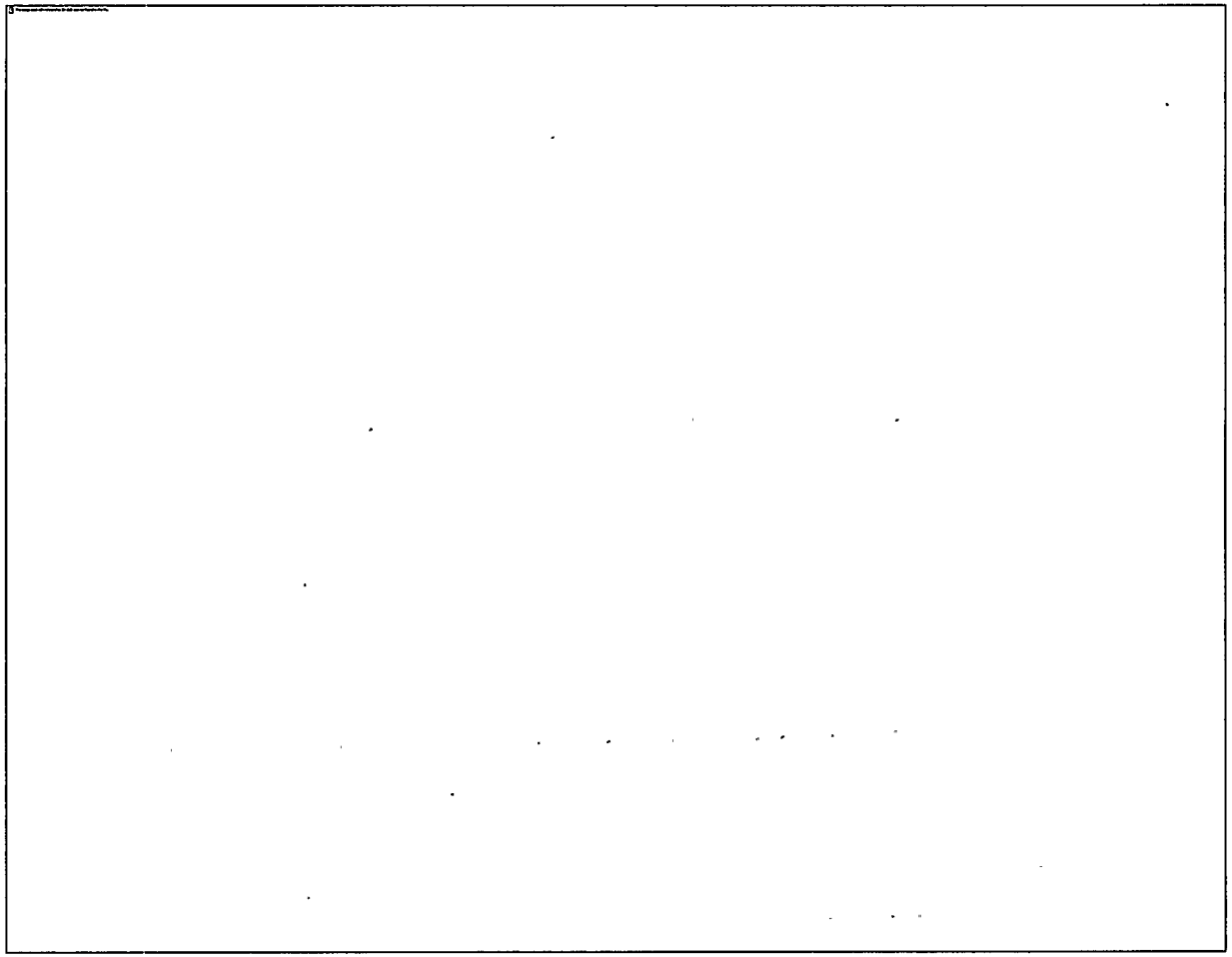
GPS [redacted] Display

b7E

TTU/OTD 003743

Rename & Save Changes



TTU/OTD 003757

Too Many Points!

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In closing, I thank you for spending time learning about the efforts of the Tracking Technology Unit. Bureau capabilities for tracking, tagging and locating have come along way since 2005. We have progressed from [redacted] Our systems provide investigative support, surveillance enhancement [redacted] b7E

We (TTU) present a technical proposal [redacted] We can today, provide [redacted] b7E All of the capabilities outlined in today's briefing exist today. The cost of deployment is minimal for equipment, [redacted] and reasonable in additional personnel costs to support and maintain these systems.

Further development of the [redacted] depends upon support from FBI Executive Management. Additional resources are needed to not only [redacted] b7E

In [redacted] the [redacted] Office requested that TTU provide [redacted] b7E Informal reports from [redacted] indicate that [redacted] have been identified through use of this system [redacted] when used as a [redacted] is already providing investigative leads otherwise unrealized.

[redacted] is one of TTU's top priorities for fiscal year 2010. [redacted] b7E

This [redacted] initiative includes TTU deployed tracking devices, information collected through [redacted] and information collected through [redacted] The TTU has a proven record of [redacted] b7E

Ladies and Gentlemen, the dedicated staff of the Tracking Technology Unit has [redacted] b7E

As the Tracking Technology Unit (TTU) works towards providing our tracking data to [redacted] we look forward to a close cooperative partnership with the Information Technology Branch (ITB) to accomplish this goal. Effective management of this effort will provide our field investigative personnel with additional tools and resources to assist them in their investigative efforts. b7E

All of the capabilities presented are the result of a staff with unparalleled dedication and commitment to the mission of the Bureau. We will continue to provide solutions beyond the limitations of our resources. Our Unit motto says it all, "Factum non Verbum."

Incorporated the following, anything not specifically written will be included. The [redacted] and the [redacted] capability will be stressed:

[redacted] b7E

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[redacted] Field Office

Training [redacted] b7E

~~Arrive~~ [redacted] ~~10:41AM~~ [redacted]

Arrive [redacted] field office 2:00pm

[redacted] 14:00-16:30 [redacted]

b6
b7C
b7E

TTU Hardware Overview [redacted]

Equipment check out and setup for [redacted]

[redacted] 8:00 Arrive [redacted] field office

b6
b7C
b7E

9:00 [redacted] Investigative personnel, Tracking Technology

1. What is [redacted]

   What is [redacted]

2. [redacted]

   b6
   b7C
   b7E

   GUI Overview

   Symbology/Edit

   Analysis [redacted]

   EXPORT to [redacted]

   [redacted]

   Tools - measuring etc...

3. [redacted]

   Finding and [redacted]

   b6
   b7C
   b7E

4. [redacted]

12:00

13:00 - 16:00 Either repeat for second group, or cover "advanced" [redacted]

[redacted] Field Office b7E

Training [redacted]

Arrive [redacted] Training Site 14:00 [redacted]

[redacted] 13:00-16:30 [redacted] b6 b7C b7E

TTU Hardware Overview [redacted]

Equipment check out and setup for [redacted]

[redacted]

[redacted] 8:00 Arrive [redacted] Training Site

8:30 Tracking Devices for [redacted] b6 b7C b7E

[redacted]

10:15

[redacted] Overview

Symbology/Edit

LUNCH (All attendees will take trackers to lunch for after lunch analysis)

[redacted] b7E

Tools - measuring etc...

EXPORT Data...(same title at the HQ brief.)

16:30

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TU/OTD 007136

b7E

Field Edition Training

Version 2.0

Devices

- Multiple Categories of Trackers:
- 1.
- 2.
- 3. trackers
- 4.
- 5. Future Surveillance Technologies

b7E

TTU/OTD 0071143

TTU Devices [redacted]

b7E

Pros:	
Cons:	

TTU/010 00274S

b7E

PROS:

CONS:

TTU/OTD 00/7146

PROS:

CONS:

TU/OTD 00747

b7E

PROS:

CONS:

TTU/OTD 00/7148

2. [redacted]

b7E

[redacted]

- What are some of the benefits of a [redacted]

- What are some of the limitations of a [redacted]

TTU/OTD 007149

TTU Devices

b7E

Pros:

Cons:

TTU/OTD 007150

PROS:

CONS:

TTU/OTD 0071551

b7E

PROS:

CONS:

TTL-0TD 007152

b7E

PROS:

CONS:

TTU/0TB 007153

TTU Devices

b3
b7E

Pros:

Cons:

TTU-0TD 007154

b3
b7E

PROS:

CONS:

TLU/OTD 007155

b3
b7E

PROS:

CONS:

TTU-OTD 007156

b3
b7E

PROS:

CONS:

TUCOTD 007157

3. [redacted] Trackers

b7E

- What is [redacted]

- What [redacted] can I use?

b7E

- What [redacted] are available?

b7E

What are some of the limitations of a [redacted]

TTU-0170 00 7158

TTU Devices

b7E

Pros:

Cons:

TTU/OTD 007159

b7E

PROS:

CONS:

TTU/OTD 007150

b7E

PROS:

CONS:

TTU/OTD 007161

b7E

TTU Devices | Low Cost

Pros:

Cons:

TTU/OTD 00071452

b7E

Pros:

Cons:

TTU/OTD 00071653

b7E

PROS:

TTU/OTD 007164

b7E

Pros:

Cons:

TTU-0TB 007145

b7E

PROS:

CONS:

TTU/OTD 00071166

4. [redacted] Device

b7E

[redacted]

- Option of not [redacted] (with some compromises).
- Options include:

b7E

[redacted]

TTU/OTD 007167

TTU Devices

b7E

Pros:

Cons:

TTU/OTD 007168

b7E

PROS:

CONS:

TTU/OTD 007169

b7E

PROS:

CONS:

•

TTU/OTD 007170

b7E

PROS:

CONS:

TTU/OIO 007171

5. Future Surveillance Technologies

b7E

- [redacted]
- Improving performance with newer [redacted]
- [redacted]

TTU/OTD 00727172

b7E

TTU Devices

Pros:	
Cons:	
Expected availability	

TTU/OTD 002173

Introduction

- Operational Technology Division (OTD)
- [redacted] b7E
- Tracking Technology Unit (TTU)
- [redacted] Unit Chief
- [redacted], Program Manager Geospatial Information Systems [redacted] b6 b7C
- [redacted]
- [redacted] Training Coordinator [redacted]
- [redacted]

TTU/OTD 007174

Section 1

INTRO AND [redacted] CAPABILITIES

b7E

TTU/OTD 007177

Section 2

[redacted] OVERVIEW

b7E

TTU/OTD 007185

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[redacted]TTU Surveillance Tracking

[redacted]

b7E

TTU/OTD 003941

Introduction

- Operational Technology Division (OTD)
- [redacted] b7E
- Tracking Technology Unit (TTU)
- [redacted] Unit Chief
- [redacted], Program Manager [redacted] b6 b7C b7E
- [redacted]
- [redacted], Training Coordinator [redacted]

TTU/OTD 003942

TTU [redacted] Program

b7E

- Plan for monthly presentation
- Topics to be included:
- Surveillance Tracking Devices(Today)
- Tracking for [redacted] b7E
- [redacted] devices and software
- [redacted]

TTU/OTD 003946

b7E

PROS:

CONS:

110/010 003649

b7E

PROS:

CONS:

TTU/OTD 003950

b7E

PROS:

CONS:

ITU/OTD 003951

b7E

PROS:

CONS:

TTU/OTD 003953

b7E

PROS:

CONS:

TTU/OTD 003954

b7E

PROS:

CONS:

TTU/OTD 003955

b3
b7E

PROS:

CONS:

TTU/OTD 003956

[redacted]

[redacted]

PROS:

[redacted]

[redacted]

CONS:

[redacted]

b3
b7E

ITU/010 003957

b3
b7E

PROS:

CONS:

ITU/OTD 003958

3. [redacted] Trackers

b7E

TTU/OTD 003959

TTU/OTD 003960

b7E

PROS:

CONS:

b7E

PROS:

CONS:

TTU/OTD 003961

b7E

Pros:

Cons:

TTU/OTD 003962

b7E

PROS:

TTU/OTD 003963

b7E

Pros:

Cons:

ITU/OTD 003964

[redacted] b7E

PROS:

[redacted]

CONS:

4. [redacted] Device

b7E

TTU/OTD 003966

b7E

PROS:

- CONS:

TTU/OTD 003967

b7E

PROS:

- CONS:

TTU/OTD 003968

5. Future Surveillance Technologies

TTU/OTD 003969

Contact List

TTU/OTD 003970

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[redacted] GPS Tracker b7E

Background:

(U) Advances in GPS technology have resulted in greater use of the technology for basic geo-location applications as well as a time standard used by many critical commercial and government systems. GPS technology is used extensively by Law Enforcement (LE) as a surveillance and intelligence gathering tool.

(U//~~FOUO~~//LES) [redacted] b7E

(U) We have requested a meeting with OGC attorney [redacted] to discuss any legal issues that need to be addressed but he will be unavailable until January to provide guidance. b6 b7C

Current Technology

(U) GPS provides latitude, longitude, altitude, and time information associated with the GPS receiver derived from signals received from multiple mid earth orbit satellites. Latitude, longitude, and time are primarily used by LE to establish the general location and time of a target under surveillance. A discussion of the accuracy and reliability of GPS data in a LE environment is given to establish a baseline on the information obtained.

(U//~~FOUO~~//LES) [redacted] b7E The discussion will focus on the application of the technology to LE Concepts of Operations (CONOPS).

(U//~~FOUO~~//LES) [redacted] b7E Under ideal conditions a properly designed GPS receiver can meet or exceed this performance, however, [redacted] b7E

(U//~~FOUO~~//LES) [redacted]

[redacted] b7E

(U//~~FOUO~~/LES) There is a viable option to making all data collected by our tracking systems evidentiary [redacted] b7E

(U) If data is used as evidence the Government needs to have available expert witnesses that can address data integrity. An added benefit to this approach is [redacted] has expert witnesses that can testify and fulfill this requirement. b7E

Resources:

(U//~~FOUO~~/LES) We are pursuing the capability of transferring all data to [redacted] currently so the resources required will be minimal [redacted] b7E

(U//~~FOUO~~/LES) [redacted]

(U//~~FOUO~~//LES) [redacted] b7E

Risk/Benefits –

- (U//~~FOUO~~//LES) [redacted] b7E
- (U//~~FOUO~~//~~L~~ES) [redacted] new evidentiary data handling capabilities will be a very inefficient way to accomplish the requirement. b7E
- (U//~~FOUO~~//LES) [redacted] b7E
- (U//~~FOUO~~//LES) [redacted]
- (U//~~FOUO~~//LES) Is there truly a value in introducing [redacted] as evidence that is known to be [redacted]
- (U) Legal issues and risks are unknown as we have not yet met with OGC.
- (U//~~FOUO~~//LES) [redacted] Very little additional resources will be required. b7E

Recommendation –

(U//~~FOUO~~//LES) [redacted]

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b7E

GLOBAL POSITIONING SYSTEM (GPS)

(A FEW OF THE BASICS)

There are two major problems in trying to track using the [redacted]

[redacted]

b7E

GPS ANTENNA PLACEMENT POSSIBILITIES

(Locations are ranked, with #1 being the best choice.)

[redacted]

b7E

There are several potential options available for [redacted] and they are listed below. As each presents its unique set of difficulties, each will be discussed individually in more detail elsewhere in this handbook:

[redacted]

b7E

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GPS Tracking - Update

GPS, the Global Positioning System, is also being used in several of the [redacted] b7E

[redacted]

Here are the advantages of GPS-based systems:

- [redacted]
-
-
-
-
-
-

(See photos on pages 7-4 and 7-5)

b7E

GPS RECEIVERS

JTU/OTD 007468

GPS ANTENNA PLACEMENT POSSIBILITIES

b7E

Now you are ready to used the The place to look first is to see if Another great place is in the . You always need to be thinking about a place where

b7E

CONTROLS

b7E

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Precedence: ROUTINE **Date:** 10/09/20009

To: Operational Technology

From: Operational Technology
[redacted]/TTU/ERF
Contact: [redacted]

b6
b7C
b7E

Approved By: [redacted]

Drafted By: [redacted]

Case ID #: [redacted] - OTD b7E

Title: PROGRAM PLANS
OPERATIONAL TECHNOLOGY DIVISION
TRACKING TECHNOLOGY UNIT GOALS AND OBJECTIVES

Synopsis:
(U) The mission of the Tracking Technology Unit (TTU) is to develop, procure, and deploy technical assets and capabilities to covertly surveil, track, and locate targets of interest while enhancing the FBI's ability to collect physical evidence and intelligence for all field investigations.

(U) In support of this mission, The TTU executes the following core functions: hardware and software engineering, strategic planning, training, technical installation and maintenance, and procurement of Tracking, Tagging, and Locating systems.

Operational Tracking Program (TOTP) and Geospacial Information Systems Program (GISP)

(U) Goal I: Ensure quality, timely and accurate support to the field. **(A1)**

(U) Objective I: Utilize the [redacted] system to track requests for support. b7E

(U) Performance Measurement: A daily review of all [redacted] requests is conducted to track progress, evaluate priorities, and re-assign assets as needed.

(U) Objective II: Effectively manage staff and equipment to improve support.

(U) Performance Measurement: The Program Manager will meet with technical staff to set priorities and track progress on requests.

(U) Objective III: Provide a 24 hour manned operational support telephone line for the use of field personnel should they have questions or require assistance with any tracking device/system provided by TTU.

(U) Performance Measurement: Manning the 24 hour telephone line and documenting the questions and problems encountered by the field personnel to establish trends to modify and improve future training and posting of answers to common questions on the TTU website.

(U) Objective IV: Improve the ability of technical staff to provide immediate and accurate assistance to the field by enhanced cross training of TTU personnel on TTU provided tracking technology.

(U) Performance Measurement: The Program Manager will ensure TTU personnel are cross trained on various equipment and assign [redacted] requests in a manner to keep all personnel knowledgeable and at a high skill level. b7E

(U) Goal II: [redacted]

[redacted] b7E

(U) Goal III: [redacted] b7E

(U) Objective I: Provide [redacted]

(U) Performance Measurement I: Keep updated the [redacted] to include [redacted] b7E

(U) Performance Measurement II: Field wide deployment of tracking devices using [redacted]

(U) Performance Measurement III: Establish a [redacted] collected tracking data.

(U) Performance Measurement IV: Working with other elements of the FBI, ensure access to the [redacted] data resources through the TRILOGY and UNET Networks. b7E

(U) Objective II: Have all deployed tracking systems and devices [redacted]

(U) Performance Measurement I: [redacted] b7E

(U) Performance Measurement II: Provide for the integration of data collected through all [redacted]

(U) Goal IV: Provide the most technologically advanced and up to date tracking systems possible to enhance and maintain tracking capabilities. **(P5)**

(U) Objective I: Upgrade the current tracking systems with the most technologically advanced [redacted] b7E and highest sensitivity GPS receivers.

(U) Performance Measurement I: [redacted] to upgrade the devices and systems as needed.

(U) Objective II: Evaluate [redacted] systems and as appropriate [redacted] to support field requirements.

(U) Performance Measurement I: [redacted] b7E

(U) Performance Measurement II: [redacted]

(U) Objective III: Continue [redacted] to b7E identify emerging technologies, and further [redacted] to ensure [redacted] meet the needs of the FBI.

(U) Performance Measurement I: [redacted]

(U) Goal V: Support technical collection and [redacted] b7E by conducting up to date training classes to field personnel, posting of latest hardware and software information and updates on the TTU Intranet website, and manning the 24 hour operational support telephone line. **(A3, R2, T2, P11)**

(U) Objective I: Conduct training classes that are up to date with current technology to field office [redacted] and case agent personnel.

(U) Performance Measurement I: Making sure the training classes are providing information that is current with TTU systems being deployed and feed back from the students taking the classes.

(U) Performance Measurement II: Provide the ability for field office personnel to attend [redacted] b7E sessions as appropriate.

(U) Objective II: Provide the latest software updates and information and equipment information and manuals [redacted] Improve the technical capabilities of the field offices by disseminating the latest information on new hardware and techniques through intranet website improvements, updates, newsletters, and training classes.

(U) Performance Measurement I: Making sure the website is kept up to date with technical information as well as unit contact information for field personnel to use a resource.

(U) Performance Measurement II: Listings of published newsletters, updated intranet web pages, or training sessions held.

(U) Objective III: Provide a 24 hour manned operational support telephone line for the use of field personnel should they have questions or require assistance with any tracking device/system provided by TTU.

(U) Performance Measurement II: Manning the 24 hour telephone line and documenting the questions and problems encountered by the field personnel to establish trends to modify and improve future training and posting of answers to common questions on the website.

(U) Objective IV: Provide technical evaluations of [redacted] b7E

(U) Performance Measurement II: Timely and accurate responses when requests made from the field or other units within OTD.

(U) Goal VI: Continued development and deployment of [redacted] b7E systems to support the [redacted] requirement to improve the [redacted] to enhance and maintain capabilities. **(P5)**

(U) Objective I: [redacted]

(U) **Performance Measurement I:** Work with the tracking system manufacturer [redacted] b7E and then replace those currently in stock with the new [redacted]

(U) **Performance Measurement II:** Upgrade of currently installed systems to the [redacted]

(U) **Objective II:** Explore possible technology change from [redacted] to [redacted] for [redacted] to facilitate b7E less cost and faster, [redacted] installation of the systems.

(U) **Performance Measurement I:** [redacted] testing and evaluation of [redacted] based systems to assure they will function as required and will meet all technical requirements such as [redacted]

(U) **Objective III:** Further [redacted] b7E to [redacted]

(U) **Performance Measurement I:** Measurement and testing of modifications to the devices.

(U) **Objective IV:** [redacted]

(U) **Objective V:** [redacted] b7E

(U) **Performance Measurement I:** List of technology options, completed tests, and decisions regarding technology selected for deployment and/or further development.

(U) **Goal VII:** Recognize and lead change to address emerging requirements by development of [redacted] b7E based systems. **(P3)**

(U) **Objective I:** [redacted]

[redacted] to allow b7E
it to meet the FBI's requirements.

(U) Performance Measurement II: Testing and evaluation of prototype units.

(U) Objective II: [redacted] systems to assist in b7E
the TTU's tracking requirements and [redacted]

(U) Performance Measurement I: [redacted]
[redacted] to design systems to meet various scenarios and requirements for [redacted] systems such as [redacted] and tracking of investigative targets.

(U) Performance Measurement II: Testing and evaluation of the systems [redacted] if they meet our requirements.

(U) Goal VIII: [redacted] b7E

(U) Objective I: Work with [redacted]

(U) Performance Measurement I: [redacted] tracking systems work as intended.

(U) Performance Measurement II: [redacted]

(U) Objective II: [redacted] b7E
[redacted] and as appropriate incorporate then into [redacted]

(U) Performance Measurement I: Results of testing [redacted] compared to those currently in use.

(U) Performance Measurement II: The ability to purchase [redacted] and get them deployed to field [redacted]

(U) Goal IX: [redacted] b7E

(U) Objective I: [redacted]

[redacted] tagging and tracking b7E
techniques.

(U) Performance Measurement I: [redacted]
added for field inventory upgrades or initial deployments.

(U) Objective II: [redacted] b7E

(U) Objective IV: [redacted] b7E

(U) Objective IV: Determination of feasibility and the [redacted]

(U) Performance Measurement I: Listings and results of specific investigations and any additional tests performed.

Objective V: Determine the utility and feasibility of [redacted] b7E

Performance Measurement I: Listings and results of specific investigations and any additional tests performed.

(U) Objective VI: Evaluate bureau needs for [redacted]
deploy such advanced tools.

(U) Performance Measurement I: Full analysis of programs that would benefit from this technology, required support, funding and challenges.

(U) Performance Measurement II: Develop plan to address challenges of implementing this new technology area.

(U) Objective VIII: Upgrade [redacted] b7E

Performance Measurement I: Deployment of [redacted] to all field offices.

Performance Measurement II: [redacted] and report on results and challenges. Deploy as needed once developed.

(U) [redacted] b7E

(U/~~FOUO~~) Performance Measurement I.
[redacted] b7E

(U/~~FOUO~~) Performance Measurement II. [redacted]

(U/~~FOUO~~) [redacted]

(U/~~FOUO~~) Performance Measurement II. [redacted]

(U/~~FOUO~~) [redacted] b7E

(U/~~FOUO~~) Performance Measurement II. [redacted]

(U/~~FOUO~~) [redacted] b7E

(U/~~FOUO~~) Performance Measurement I. Listings of specific investigations and any additional tests performed.

(U/~~FOUO~~) Performance Measurement II. Results of investigations and testing.

(U/~~FOUO~~) Objective 6: Improve the technical capabilities of the field offices by disseminating the latest information on new hardware and techniques through website improvements, updates, newsletters, and training classes.

(U/~~FOUO~~) Performance Measurement I. Listings of published newsletters, updated web pages, or training sessions held.

(U) Goal II: [redacted] (P5, P9, P12, T2, R2)

(U) Objective I: [redacted] b7E

(U) Performance Measurement I: [redacted] b7E added for field inventory upgrades.

(U) Performance Measurement II: Date(s) completed.

(U) Objective II: [redacted]

(U) Performance Measurement II: Date(s) completed.

(U) Objective III: Perform implementation of [redacted] b7E

(U) Performance Measurement I: Description of capabilities and performance characteristics developed.

(U) Performance Measurement II. Date completed.

(U) Objective IV: Determination of feasibility and the [redacted] b7E

(U) Performance Measurement I: Listings of specific investigations and any additional tests performed.

(U) Performed Measurements II: Results of investigations and testing.

(U) Objective V: Determine the utility and feasibility of [redacted] b7E

(U) Performance Measurement I: Listings of specific investigations and any additional tests performed.

(U) Performed Measurement II: Results of investigations and testing.

(U) Objective VI: Perform an evaluation of [redacted] for enhanced surveillance and tracking capabilities.

 b7E

(U) **Performance Measurement I:** Listings of specific investigation(s) and any additional test(s) performed.

(U) **Performance Measurement II:** Results of investigation(s) and testing.

(U) **Objective VII:** [redacted] b7E

(U) **Performance Measurement I:** Listings of specific investigation(s) and any additional test(s) performed.

(U) **Performance Measurement II:** Results of investigation(s) and testing.

(U) **Objective VIII:** Investigate the feasibility of using [redacted] b7E OTD/LD collaboration.

(U) **Performance Measurement I:** Listings of specific investigations and any additional tests performed.

(U) **Performance Measurement II:** Results of investigations and testing.

(U) **Objective IX:** Improve the technical capabilities of the field offices by disseminating the latest information on new hardware and techniques through website improvements, updates, newsletters, and training classes.

(U) **Performance Measurement I:** Listings of published newsletters, updated web pages, or training sessions held.

(U) [redacted] b7E

(U) **Goal I:** Establish and maintain [redacted]

(U) **Objective I:** [redacted] technology limitations, policies and procedures, and to leverage resources.

(U) **Performance Measurement I:** Objective performance shall be measured/monitored through [redacted] b7E that address issues in a timely manner.

(U) **Objective II:** Continue to [redacted] address operational support requirements and issues.

(U) **Performance Measurement I:** Objective will be measured/monitored through [redacted]

(U) **Goal II:** [redacted] b7E

(U) **Objective I:** [redacted] b3 b7E

(U) **Performance Measurement I:** [redacted] b7E

[redacted] b7E

(U) **Goal III:** Provide field with advanced tools and techniques to increase the overall effectiveness of [redacted] b7E **(P4, P5, P6, P8)**

(U) **Objective I:** Continue to [redacted]

(U) **Performance Measurement I:** Objective performance will be measured/monitored through customer feedback, and meetings with other FBI entities.

(U) **Objective II:** Continue to integrate [redacted] b7E systems with [redacted] capabilities, through [redacted]

(U) Objective V: Continue to [redacted] b7E

(U) Performance Measurement I: Objective performance will be measured/monitored through [redacted] strict Statement of Work (SOW) compliance and routine project status reporting.

(U) Goal IV: Ensure operators are trained on use of [redacted] b7E **(P11)**

(U) Objective I: Continue to provide FBI [redacted] basic and advanced training courses.

(U) Performance Measurement I: Success of this objective will be measured through effective scheduling of training, and through student feedback.

(U) Objective II: Continue to [redacted] b7E to meet FBI mission requirements.

(U) Performance Measurement I: Success of this objective will be measured through [redacted]

(U) Objective III: Continue to [redacted] b7E

(U) Performance Measurement I: Success of this objective will be measured through [redacted]

(U) Objective IV: Continue to host FBI events [redacted] to ensure requirements are being met.

(U) Performance Measurement I: Success of this objective will be measured through after-action reporting and participant feedback.

(U) Goal V: Development of [redacted] **(P1, P2, P3, P4, P6, P7, P8, R1, R2)**

(U) Objective I: Ensure all FBI Field Offices involved with the TTU/[redacted] are supplied with policy, direction, and all current capabilities required to meet all deployment requirements. b7E

(U) Performance Measurement I: Objective performance will be measured/monitored through [redacted] b7E along with feedback. Statistical accounting shall also be incorporated to track the success of all programs that are being supported by [redacted] capabilities.

(U) Objective III: Bolster [redacted] capabilities through identifying and equipping [redacted] for [redacted] missions.

(U) Performance Measurement I: Objective performance will be measured/monitored through clearly communicated customer requirements and feedback.

♦♦

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Tracking Technology Unit (TTU)

(U) Mission Statement: The mission of the Tracking Technology Unit (TTU) is to develop, procure, and deploy technical assets and capabilities to covertly locate, tag, and track targets of interest in support of all FBI investigative, intelligence collection, and operational programs.

(U) [redacted] b7E

(U) Goal I: Ensure quality, timely and accurate support to the field. (A1,P1,P2,T2)

(U) Objective I: Orient unit business and management practices for optimum resource allocation and in cooperation with appropriate substantive program stakeholders.

(U) Performance Measurement I: TTU resources are deployed in accordance with the [redacted] b7E [redacted] policies through [redacted] or supervisors and, when applicable, with headquarters substantive unit endorsement [redacted]

(U) Performance Measurement II: Utilize the [redacted] system to track requests for support. A daily review of all [redacted] requests is conducted to track progress, evaluate priorities, and re-assign assets as needed.

(U) Objective II: Effectively manage staff and equipment to improve support.

(U) Performance Measurement I: The unit chief will regularly meet with program managers (PM) to set unit priorities and track program progress.

(U) Performance Measurement II: PMs will regularly meet with sub-program technical leaders to set priorities and track program progress. The PMs will

guide technical staff as needed to ensure timely and effective support.

(U) Performance Measurement III: The technical leaders will provide leadership and guidance to the technical staff to ensure effective support is provided and is in accordance with priorities established by the PM.

(U) Objective III: Improve the ability of TTU staff to provide immediate and accurate assistance to the field through accomplishment of enhanced cross training of unit personnel on the unit's tracking, tagging, and locating technology.

(U) Performance Measurement I: The unit chief and PMs will ensure personnel receive familiarization training and practical experience on unit equipment and services across program lines.

(U) Performance Measurement II: The PMs will ensure their personnel are cross trained on program equipment and services and assigned [redacted] requests in a manner to keep all personnel knowledgeable and at a high skill level. b7E

(U) Objective IV: Provide multiple paths for customer feedback and inquiry about TTU technologies, products, services, and operations.

(U) Performance Measurement I: While physically deployed to field offices, all TTU personnel should actively seek feedback from and discussion with peers and appropriate management about TTU and OTD capabilities.

(U) Performance Measurement II: Enhance the unit's technical support accessibility and response through appropriate combination of communications and alerting systems (i.e. "hot line" overhaul).

(U) Performance Measurement III: Create an FBINet web-based feedback form and hyperlink for inclusion on unit email signature lines.

(U) Goal II: [redacted] b7E

(U) Goal III: Increase collaboration and interoperability with other OTD units to enhance capabilities and innovation and more efficiently align resources.

(U//~~FOUO//LES~~) Objective I: Continue joint training and development efforts with TTU, [redacted] on the [redacted] and conducting [redacted] training classes [redacted] b7E

(U//~~FOUO~~/~~LES~~) Performance Measurement I: Measurement will be the enhanced capabilities for all units, reduction in cost, and feedback from [redacted] students regarding the joint efforts. b7E

(U//~~FOUO~~) Objective II: Work with, including [redacted] the [redacted] to enhance their [redacted] capabilities to enable timely and accurate deployment of technology for all OTD units.

(U//~~FOUO~~) Performance Measurement I: Measurement will be the increased capability and expertise of the [redacted] regarding [redacted]

(U) Goal IV: Provide the most technologically advanced and up-to-date tracking systems possible to develop, enhance, and maintain tracking capabilities. (P3,P4,T4)

(U//~~FOUO~~) Objective I: Upgrade the current tracking systems with the newest [redacted] and high sensitivity GPS receivers. b7E

(U) Performance Measurement I: [redacted] to enhance technical capabilities and reduce cost.

(U) Objective II: Evaluate [redacted] systems and, as appropriate, [redacted] to support field requirements. b7E

(U) Performance Measurement I: [redacted]

(U) Performance Measurement II: When appropriate, [redacted]

(U//~~FOUO~~/~~LES~~) Goal V: Support technical collection, [redacted] and training by conducting up to date training classes to field personnel, posting of latest hardware and software information and updates on the TTU Intranet website, and providing field b7E

[redacted] with access to the [redacted] (A1,P1,T3) b7E

(U/~~/FOUO)~~ **Objective I:** Conduct training classes that are up to date with current technology to field office [redacted] and case agent personnel.

(U) Performance Measurement I: Ensure training classes provide information that is current with deployed TTU systems and obtain feedback from the students.

(U) Performance Measurement II: Provide the ability for field office personnel to attend [redacted] sessions as appropriate. b7E

(U) Objective II: Provide the latest software updates and equipment information and manuals on the TTU website and at the [redacted] Disseminate the latest information on new hardware and techniques through intranet website improvements, updates, newsletters, internal conferences and training classes.

(U) Performance Measurement I: Ensure the unit website is kept up to date with technical information as well as unit contact information.

(U) Performance Measurement II: Listing of published newsletters, updated intranet pages, or training sessions held.

(U/~~/FOUO)~~ **Goal VI:** Continued development and deployment of [redacted] systems to support the [redacted] requirement to improve [redacted] to enhance capabilities. (P3, P4, P5, R2) b7E

(U) Objective I: [redacted] of currently deployed and in-stock systems to improve performance [redacted]

(U) Performance Measurement I: After performing maintenance and [redacted] on all installed systems, re-evaluate overall performance to determine new trends and possible further actions.

(U//~~FOUO~~//~~LES~~) Objective II: [redacted] b7E

[redacted] to improve performance, decrease cost, and provide for faster and [redacted] of the systems.

(U//~~FOUO~~//~~LES~~) Performance Measurement I: Testing of [redacted] contract to assure they will function as required and will meet all technical requirements [redacted]

(U//~~FOUO~~) Objective III: [redacted] b7E

(U//~~FOUO~~//~~LES~~) Performance Measurement I: Measurement and testing of the [redacted]

(U//~~FOUO~~) Objective IV: [redacted] b7E

TTU/OTD 005721

[redacted]

(U//~~FOUO~~//~~LES~~) Goal VII: Recognize and lead change to address emerging requirements by [redacted] based systems. (P3,P4,T4) b7E

(U//~~FOUO~~//~~LES~~) Objective I: [redacted].

(U//~~FOUO~~//~~LES~~) Performance Measurement I: [redacted]

(U) Performance Measurement II: Installation, testing and evaluation of prototype units.

(U//~~FOUO~~//~~LES~~) Objective II: [redacted] devices to enhance the TTU's tracking capabilities. b7E

(U//~~FOUO~~//~~LES~~) Performance Measurement I: [redacted] systems to meet various scenarios and requirements.

(U) Performance Measurement II: Test and evaluate systems [redacted] if requirements met.

(U//~~FOUO~~) Goal VIII: [redacted] to support all tracking devices and systems. (P3, P4, R2) b7E

(U//~~FOUO~~//~~LES~~) Objective I: Work with [redacted], [redacted] to support tracking [redacted]

(U) Performance Measurement I: Compare results of testing [redacted] to those currently in use.

(U//~~FOUO~~//~~LES~~) Performance Measurement III: [redacted]

[redacted] b7E

(U) Goal IX: [redacted] (P2, P3, P4, R1) b7E

(U/~~/FOUO~~) Objective I: [redacted]

(U) Performance Measurement I: [redacted]

(U/~~/FOUO~~) Objective II: Continue to monitor technology related to [redacted] or special [redacted] which are [redacted] b7E

(U) Performance Measurement I: Listing of new technology areas evaluated and tested.

(U/~~/FOUO~~) Objective III: [redacted] i.e. [redacted] b7E

(U/~~/FOUO~~) Performance Measurement I: List of [redacted] and/or under development. Provide timely field support as needed.

(U/~~/FOUO~~) Objective IV: Continue to support and improve the [redacted] program, to include [redacted] surveillance and tracking. b7E

(U/~~/FOUO~~) Performance Measurement I: Quantities/types of [redacted] Repair damaged equipment in a timely fashion and upgrade [redacted] for improved tracking abilities.

(U) Objective V: Develop plan for future [redacted] replacements and upgrades. b7E

(U) Performance Measurement I: Path forward for [redacted] replacements and upgrades

(U) Objective VI: [redacted] b7E

(U) Performance Measurement I: Quantities/types of [redacted] Reports of improvements or replacement designs to [redacted] and investigation of other products or developments.

(U//~~FOUO~~) Goal X: [redacted]

(P2, P3, P4, R2)

b7E

(U//~~FOUO~~) Objective I: [redacted]

(U) Performance Measurement I: [redacted] added for field inventory upgrades.

(U//~~FOUO~~) Objective II: [redacted] b7E

(U//~~FOUO~~) Objective III: [redacted] b7E

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(U//~~FOUO~~) Performance Measurement I: [redacted] and list of various [redacted] b7E

(U//~~FOUO~~) Performance Measurement II: List of potential options for [redacted]

(U//~~FOUO~~) Objective IV: [redacted] perform comprehensive testing of suite of [redacted] systems for potential deployment. b7E

(U//~~FOUO~~) Performance Measurement I: List of [redacted] systems available and actual deployments. Reports of test results for different systems and scenarios.

(U//~~FOUO~~) Goal XI: Develop and increase the [redacted] capabilities of the FBI from [redacted] for use on various targets, i.e., [redacted] etc. (A1,P2,P3,P4,P5,A2,R1,R2) b7E

(U//~~FOUO~~//~~LES~~) Objective I: [redacted]

(U) Performance Measurement I: [redacted] expected delivery of deployable equipment by fourth quarter 2012.

(U//~~FOUO~~) Objective II: [redacted] for targets of interest as stated by potential users of [redacted] technology, to include [redacted] of interest to the FBI. b7E

(U) Performance Measurement I: Number of [redacted] and success rates [redacted] Transfer of [redacted]

(U//~~FOUO~~) Objective III: Continue to address legal issues surrounding the use of [redacted] b7E

(U//~~FOUO~~) Performance Measurement I: Continue to work closely with OTD OGC office to be prepared for [redacted] deployment in late 2012.

(U//~~FOUO~~) Objective IV: Provide technical evaluations of [redacted] including [redacted] when requested. b7E

(U) Performance Measurement I: Timely and accurate responses when requests made from the field or other units within OTD.

(U) Goal XII: Provide a solution for [redacted] cases in which [redacted] (P2, P3, P4, R2). b7E

(U) Objective I: Deploy [redacted] to most or all FBI [redacted] or testing as requested.

(U) Performance Measurement I: Number of [redacted] deployed; [redacted] deployed on.

(U) Objective II: Support [redacted] with expertise, equipment and [redacted] b7E

(U) Performance Measurement I: Tests performed, training provided, reports generated.

(U) Objective III: Investigate new technology options for [redacted] to include testing and evaluation of the latest technology developments.

(U) Performance Measurement I: List of products evaluated and reports of testing conducted.

(U) Goal XIII: [redacted] (A1, P2, P3, P4, R1) b7E

(U) Objective I: [redacted]

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(U/~~/FOUO/~~/~~LES~~) Performance Measurement I: Provide space and support to [redacted] for [redacted] process. b7E

(U/~~FOUO~~) Objective II: Support other HQ or field offices with [redacted] knowledge or evaluation/processing of process equipment as needed.

(U) Performance Measurement I: Provide support as requested.

(U) Goal XIV: Provide increased means of proactive [redacted] (A1,A2,P1,P3) b7E

(U) Objective I: [redacted]

(U) Performance Measurement I: Implementation and tuning of an [redacted] infrastructure.

(U) Objective II: [redacted]

(U) Performance Measurement I: Implementation and tuning of a [redacted] within the infrastructure.

(U) Objective I: Provide automated tools [redacted] b7E

(U) Performance Measurement I: [redacted]

(U) Objective II: [redacted]

(U) Performance Measurement I: [redacted] Plan carried out with results recorded and followup action taken to correct any problems noted.

(U/~~/FOUO~~) Goal XV: [redacted] b7E

[redacted] using tracking devices to provide sophisticated technical collection and [redacted] and streamline operational processes. (A1,P1,P3) b7E

(U) Objective I: Provide infrastructure to allow for [redacted] b7E

(U) Performance Measurement I: Maintain the [redacted] of the [redacted]

(U) Objective II: Enhance the infrastructure with the deployment [redacted] b7E

(U) Performance Measurement I: [redacted] for deployed tracking devices and technologies into [redacted]

(U) Performance Measurement II: Coordinate routinely with TTU programs for upcoming technologies being deployed [redacted]

(U/~~FOUO~~) Objective III: All deployed tracking systems and devices [redacted] b7E

(U/~~FOUO~~) Performance Measurement I: Ensure that all new technology under development will have the ability to [redacted]

(U/~~FOUO~~) Performance Measurement II: [redacted]

(U) Goal XVI: Improve the [redacted] ability of the TTU infrastructure and associated systems. (P2, P3, P4, R2) b7E

(U) Objective I: [redacted]

(U) Performance Measurement I: Test and document the results of a [redacted] b7E

(U) Objective II: Operate [redacted] with minimal impact to the [redacted]

(U) Performance Measurement I: Execute [redacted] procedures, document the exercise and [redacted]

(U) Objective III: Enhance the [redacted] capabilities and procedures.

(U) Performance Measurement I: Incorporate feedback and industry best practices into the [redacted] procedures for TTU infrastructure.

(U/~~FOUO~~) Goal XVII: Provide the [redacted] and [redacted] (P1, P2, P3, P4, P5, R2, A1, T4) b7E

(U/~~FOUO~~) Objective I: [redacted] with additional [redacted]

(U//~~FOUO~~) Performance Measurement I: Through feedback [redacted] industry best practices, and evaluation of common [redacted] b7E

(U//~~FOUO~~) Performance Measurement II: Establish and conduct a [redacted] User's Group to receive, evaluate, and prioritize the enhancements to [redacted] that will have the greatest operational impact and use.

(U//~~FOUO~~) Performance III: Provide a [redacted] version of the [redacted]

(U) Goal XVIII: [redacted] b7E (R1, T3, R2)

(U) Objective I: [redacted]

[redacted], as appropriate, to ensure the appropriate tools are acquired in a most cost effective manner. b7E

(U) Performance Measurement I: Objective will be measured by [redacted]

(U//~~FOUO~~//~~LES~~) Goal XIX: [redacted] b7E

[redacted] b7E

(U/~~//FOUO~~) **Goal XX:** Provide designated [redacted] with advanced tools and techniques to increase the overall effectiveness of the FBI to support missions/operations that require [redacted] techniques and capabilities. (P2, P3, P4) b7E

(U/~~//FOUO~~) **Objective I:** Continue to improve upon [redacted]

(U) Performance Measurement I: Objective performance will be measured/monitored through customer feedback, and meetings with other FBI entities.

(U/~~//FOUO~~) **Objective II:** Continue to integrate [redacted] systems with [redacted] capabilities, through [redacted] b7E

status reporting.

(U//~~FOUO~~) Goal XXI: Ensure operators are trained on use of [redacted] systems. (P2, P4) b7E

(U) Objective I: Continue to provide FBI [redacted] basic and advanced training courses.

(U) Performance Measurement I: Success of this objective will be measured through effective scheduling of training, and through student feedback.

(U) Objective II: Continue to [redacted] to meet FBI mission requirements. b7E

(U) Performance Measurement I: Success of this objective will be measured through [redacted]

(U) Objective III: Continue to [redacted] b7E

(U) Performance Measurement I: Success of this objective will be measured through [redacted]

(U//~~FOUO~~) Objective IV: Continue to host FBI events [redacted] to ensure requirements are being met.

(U) Performance Measurement I: Success of this objective will be measured through after-action reporting and participant feedback.

(U//~~FOUO~~) Objective V: Ensure all [redacted] are supplied with policy, direction, and all current capabilities required to meet deployment requirements. b7E

(U//~~FOUO~~) Performance Measurement I: Objective performance will be measured/monitored through

[redacted] along with feedback. Statistical accounting shall also be incorporated to track the success of all programs that are being supported by [redacted] b7E

(U/~~/FOUO)~~ Objective VI: Bolster [redacted] through equipping [redacted] for [redacted] missions.

(U) Performance Measurement I: Objective performance will be measured/monitored through clearly communicated mission requirements and feedback.

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Goal	Objective	Performance Measure	Commentary
Identify customer needs	• Review requests for operational equipment, training, and expertise • Create web-based customer feedback form linked to unit website and hyperlink for unit e-mail addresses • [redacted] TTU personnel will acquire customer requirements, provide expertise, and actively obtain customer feedback	• Review [redacted] requests for specified timelines and allocation of resources daily • Complete customer feedback form and link by March 2012 • 95% customer feedback reviews rated satisfactory or above	• Timelines for delivery is set by the requestor and are dependent upon level of specification, labor availability and utilization, and availability and utilization of unit resources. Frequent collaboration is expected between field offices, HQ divisions, and other units within the OTD division to accomplish fulfillment in an efficient and cost-effective manner
Improve communications and [redacted]	• [redacted] • [redacted]	• Finalize general system requirements in 1st quarter of FY2012 • [redacted] sent by January 31, 2012 • [redacted] completed by May 31, 2012 • [redacted] by May 31, 2012 • [redacted] by May 31, 2012 • [redacted] by March 31, 2012	• This objective serves to continue and expand present [redacted] • This objective serves to continue and expand present [redacted] • This objective serves to continue and expand present [redacted]

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[redacted] **maintain capabilities to meet customer needs**	• [redacted] • [redacted] capabilities in FY2012	• Finalize general system requirements in 1st quarter of FY2012 • Complete progress review in 2nd, 3rd and 4th quarters of FY2012 • Completion of [redacted] by December 31, 2012 • Completion of [redacted] tests by December 31, 2012 with [redacted] assets and [redacted]	• This objective will be completed by monitoring commercial markets and [redacted] developments, acquiring the proper tools, and filling field and HQ requests. [redacted] providing novel, appropriate tools and [redacted] • This objective will be completed by [redacted]
Implement and deploy timely accurate and lawful capabilities	• [redacted] caseload, equipment on hand, staff availability, and funding availability • Analyze assessment, and draft a plan to address any misalignment identified in the capability assessment • Provide recommendations by region to align capabilities and acquire feedback • Acquire and evaluate [redacted] technology related to [redacted] capabilities	• Complete assessment by March 31, 2012 • Analysis and recommendations completed by September 30, 2012 • Plan completed by December 31, 2012 • Send 1 recommendation [redacted] quarter in FY2012 • [redacted] by end of 2nd quarter FY2012 • Evaluate [redacted] by end of 4th quarter FY2012	• The training courses are [redacted] These measures track progress towards the long term goal that, by the end of 2012, a total of [redacted] • The focus of this objective is to offer [redacted] capabilities

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Provide workforce with appropriate infrastructure and tools	• [redacted]	• Initial version deployed to select group of users by the beginning of the 2nd quarter in FY2012 • Expanded version deployed by the beginning of 3rd quarter in FY2012 • Full field deployment set for release in the 1st quarter of FY2013	• [redacted] throughout all FBI Divisions. The expanded version will include corrected system deficiencies and gathered additional operational requirements
Promote a customer and team oriented environment	• Formalize and expand technical information sharing through conducting webcasts to foster a team oriented approach between TTU technical staff, field and internal offices.	• Host one webcast per month for [redacted] in various subject areas • Provide 1 monthly webcast as requested by other investigative and operational personnel and programs	• Through advertising and formalizing technical information in the Trilogy Network, the customers the unit will serve as direct representatives of [redacted] Through an innovative and team oriented approach, technical information can be offered more frequently, cost-effectively, and serve as a more efficient use of limited technical resources while enhancing the [redacted]

b7E

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Align resources to demonstrate fiscal and organizational responsibilities	• Enhance unit accountability internally through the upward and downward flow of accountabilities between management, individuals, and teams within the unit • Enhance unit accountability in behavior and performance in regard to customers, external partners, and citizens	• Spend 80% of budget allotment by the end of the third quarter • Spend remaining 20% of budget allotment by the end of the fourth quarter • [redacted] • Hold 1 meeting per quarter where operational needs, quality of products, and funding are the main subject	• As a provider of technologies, the unit is funded and authorized to fulfill certain requirements. [redacted] for a defined purpose. Budgetary control is limited by funding allotment; however, management of controlling costs, reducing costs, minimizing waste, and effective utilization of funding is the primary focus of the unit's operations

b7E

TO: [redacted]

FR: [redacted]

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[redacted] THESE UNITS [redacted]

AND [redacted] WILL NOT

CONSISTENTLY POWER UP & [redacted]

[redacted] b7E

[redacted] OTHER UNITS DO EXACTLY

AS EXPECTED.

IF YOU CANT POSITIVELY ID

THE PROBLEM & FIX IT, SEND ME

ME TWO TESTED REPLACEMENTS

AS SOON AS POSSIBLE

(HAVE DONE EXTENSIVE
PRIOR TESTING)
+ COMPARED TO
PERFORMANCE
OF OTHER UNITS)

THANKS

[redacted] b6
b7C