

FEDERAL BUREAU OF INVESTIGATION  
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# FEDERAL BUREAU OF INVESTIGATION

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**Marcus C. Thomas**

Assistant Director

Special Agent

Operational Technology Division

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Agenda for  
National Security Higher Education Advisory Board (NSHEAB)  
Operational Technology Division  
1:30 pm to 4:00 pm  
03 February 2010

Purpose: To provide demonstrations, briefings, and walking tours designed to showcase OTD's capabilities and to explain how ERF works.

Agenda:

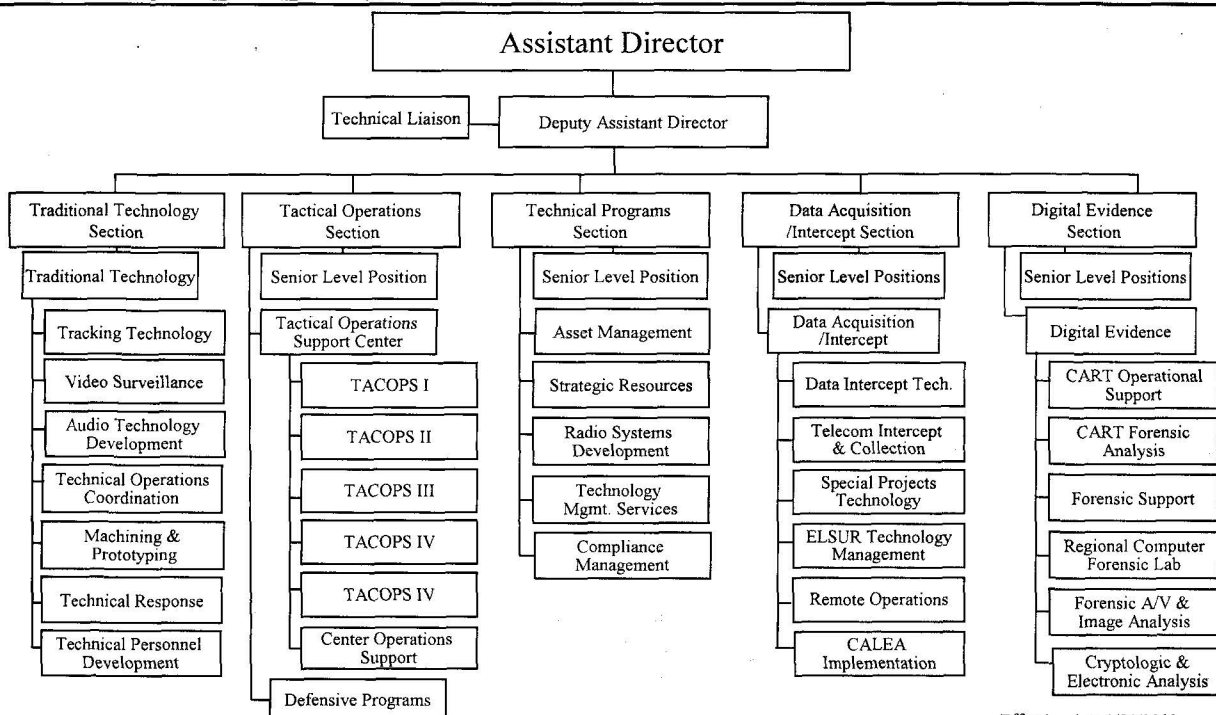
- |             |   |
|-------------|---|
| 1:30 – 1:45 | Opening remarks by Assistant Director Marcus Thomas<br>Overview of OTD –<br>(Lobby Conference Room – 1 <sup>st</sup> Floor ERF) |
| 1:45 – 2:15 | Machining and Prototyping Program – Unit Chief [REDACTED]<br>Briefing/Tour of Machine Shop -1 <sup>st</sup> Floor ERF           |
| 2:20 – 2:40 | Tactical Operations Support Center – Section Chief Clay Price<br>Overview of the Program – Trucks behind Chamber                |
| 2:45 – 3:15 | Special Projects Technology – Program Manager [REDACTED]<br>Overview of the Chamber   |
| 3:20 – 3:45 | Audio Collection Techniques – Program Manager [REDACTED]<br>Café Scenario Demo - In the Chamber                                 |
| 3:45        | Briefing/Tour Complete  |

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Location: Demonstrations and briefings will be held in the Chamber



## Operational Technology Division (OTD)



Effective date 1/31/2010

### Tactical Operations Support Center

The Tactical Operations Support Center (TOSC) manages the FBI's Covert Entry Program and is responsible for the planning, coordination and execution of field covert entry/search operations under the authority of Title III or Title 50 (FISA) court orders, or lawful Executive Branch orders in support of investigative matters within the FBI or any other federal, state, or local law enforcement agency. In addition, TOSC provides extensive operational support to the intelligence community (OSIC).

The primary accomplishment for TOSC lies in its ability to meet the operational workload of successfully and safely conducting surreptitious entry missions. During FY 2009, the TOSC supported the execution of 314 "operational jobs" in support of 361 investigative matters, which reflects an increase of 116% over the caseload supported during FY 2001.

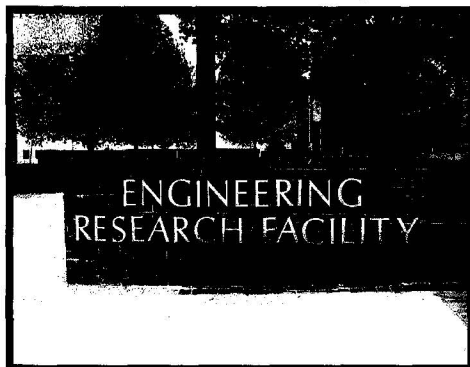


### TACTICAL OPERATIONS SUPPORT CENTER



*Working at night for a better tomorrow...*

### Operational Technology's Customers



The OTD serves a wide variety of internal and external customers that rely on its expertise and many specialized services and capabilities.

These customers include FBI personnel based in the US and abroad, Federal, state, local, and foreign law enforcement, the intelligence community and the U.S. Attorneys offices.





## Operational Technology Division (OTD)

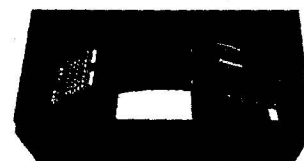
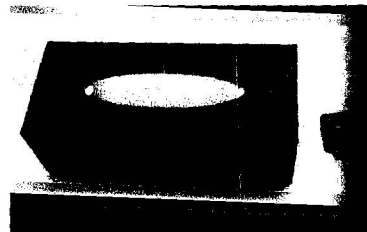
February 3, 2010 - Briefing for the National Security Higher Education Advisory Board



The [redacted] serves as a centralized focal point for the coordination and the collection of intelligence and evidence through the design, construction, and fabrication of unique garments, concealments, disguises, and prototype electrical and mechanical systems.

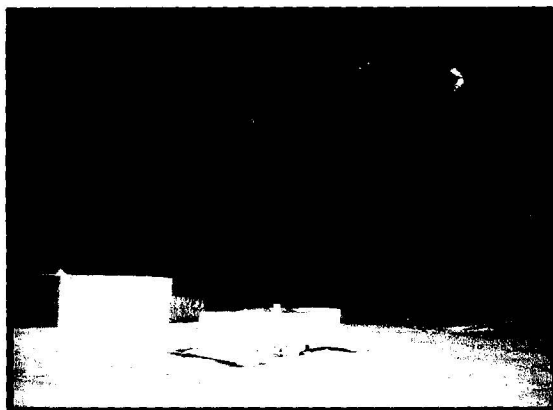
To carry out these functions, [redacted] has two principal program areas: the [redacted] and the [redacted]

Within [redacted] provides covert capabilities in support of investigative and intelligence collection operations. Three primary capabilities of [redacted] are: custom concealments, custom electronics, and laser engraving. Within the [redacted] has three principal support areas: machine shop, wood shop, and soft/body worn concealments. The [redacted] provides platforms for concealment hosts which may be supplied and modified or manufactured here. Support has been given to many units at the [redacted] and many field offices by putting the components together as a working system.

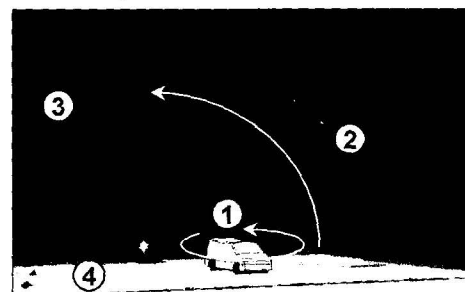


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The [redacted] is responsible for a variety of FBI electronic surveillance capabilities. Their primary mission is to develop and deploy classified technical exploitation and interception capabilities and techniques that target information technologies. These capabilities are deployed pursuant to FISA authority in support of Counterintelligence Division (CD) and Counterterrorism Division (CTD) Special Projects.

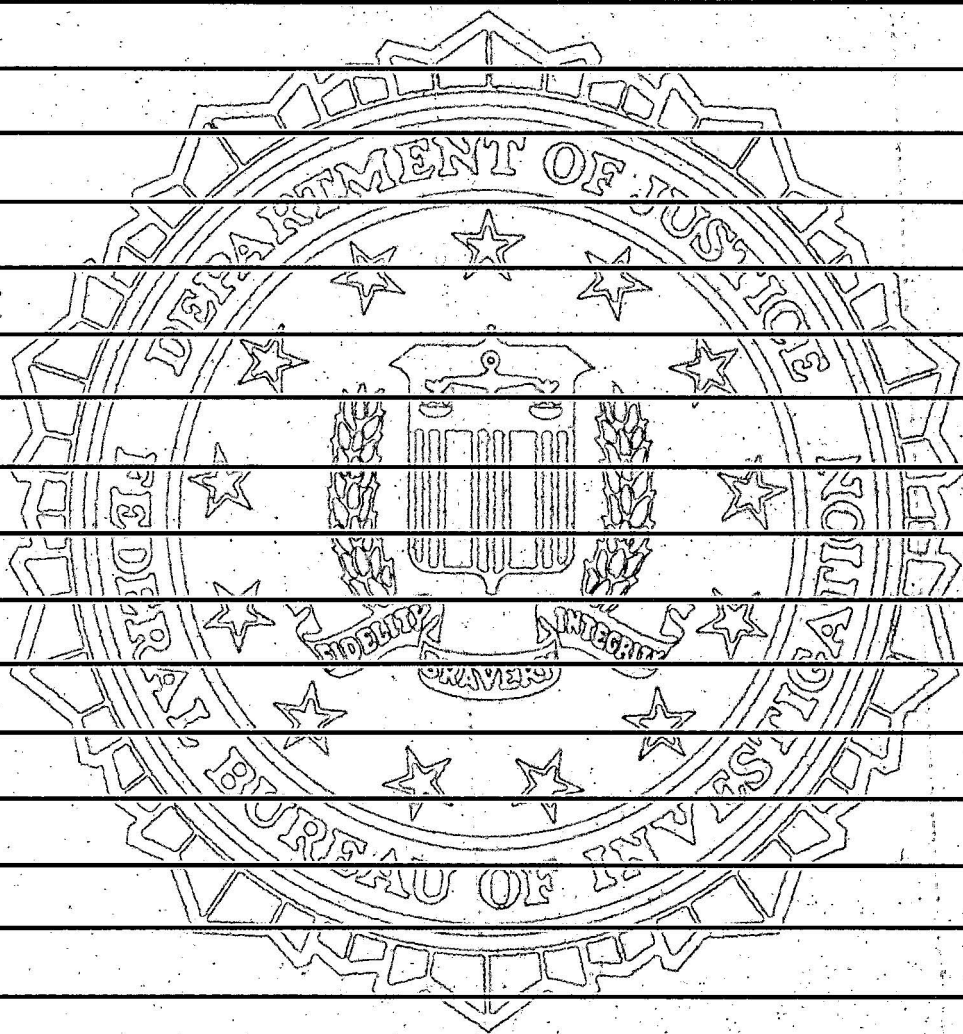


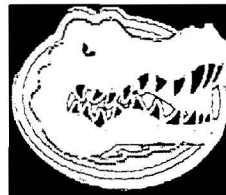
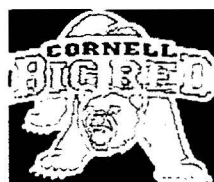
[redacted] known as [redacted] is responsible for fabricating, testing and deploying specialized antenna systems for a wide variety of FBI investigative purposes. [redacted] uses this facility to assist other government agencies and members of the intelligence community.



The [redacted] develops new sophisticated audio acquisition capabilities and surreptitious audio transport technologies in support of all FBI investigative programs. [redacted] also oversees the pursuit and development of power source technologies required for all bureau surveillance equipment.

The café scenario represents one of today's more challenging audio surveillance tasks because the audio source of interest is surrounded by multiple noise sources. One possible solution involves taking advantage of the nonlinear properties of air. In this manner, the air in a region of interest can be used as a microphone.



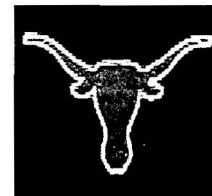


## National Security

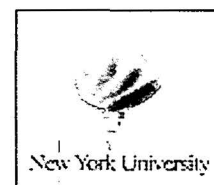
## Higher Education Advisory Board



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# Counterintelligence Division



National Security Higher Education  
Advisory Board



## What is the Law?

### Export Controls



## How does someone violate these laws?

### Export Controls

- The defendant exported, attempted to export or caused to be exported from the United States . . .
- . . . an article listed on the [USML or CCL] or [a technology relating in a significant fashion to an article on the Munitions List];
- The defendant did not obtain a license or written approval for the export from the [State Department or Commerce Department]; and
- The defendant did such acts willfully / knowingly.