CBP Introduction
Office of Field Operations
U.S. Customs and Border Protection
Office of Field Operations

Innovation and Resource Optimization at the Ports of Entry

As of 12/05/13
Meeting Objectives

- Overview of Mission
- Discuss current Challenges
- Demonstrate CBP innovation efforts
Our Mission

We protect the people and economy of the United States by preventing the entry of terrorists and instruments of terror while expediting legitimate travel and trade.

Who We Are

In FY 2013, CBP Field Operations . . .

- Inspected over 360 million travelers at 328 distinct Ports of Entry (POE);
- Intercepted over 200,000 inadmissible aliens at POEs;
- Arrested over 24,000 criminals;
- Processed over $2.3 trillion in goods, collecting over $41 billion in revenue;
- Confiscated over $252 million (domestic wholesale value) in goods and $214 million (domestic wholesale value) in intellectual property rights goods through trade enforcement;
- Kept out over 1.5 million prohibited plant and animal products and prevented over 160,000 agriculture pests from entering the country; and
- Seized almost 750,000 pounds of drugs, over 475,000 rounds of ammunition, and almost $75 million in currency.
Current Trends: Volumes Increasing

- **Air Passengers**: Roughly 25 million cargo containers in FY 13, a 20% increase since the FY 09 economic downturn; annual projected growth of 1% - 2%.
- **Containers**: Total air passenger volume is up over 21% compared to FY 09.
- **POVs**: Air travel expected to grow 4% - 5% annually for the next several years.

Staffing has remained flat

-CBP Officer Staffing

Roughly 25 million cargo containers in FY 13, a 20% increase since the FY 09 economic downturn; annual projected growth of 1% - 2%.

Total air passenger volume is up over 21% compared to FY 09.

Air travel expected to grow 4% - 5% annually for the next several years.
Challenges We Face

The Threat Remains …

While Mission Complexity Increases and External Demands Accelerate

- CBP is constantly refining and enhancing its anti-terrorism operations to combat evolving threats, while enforcing over 400 laws.

- CBP also faces new and expanded facilities and requests for additional services – growth that we must plan and prepare for now.
Benefit of Increased Travel/Tourism

- The U.S. Travel Association has estimated that each U.S. household would pay $1,000 more in taxes without the tax revenue generated by travel and tourism.

- International tourists spent $13.3 billion in the United States in February 2012 alone, up 14 percent from the previous year, and 2011 marked the largest trade surplus for travel and tourism on record for our country – $43 billion. (Source: TTAB Fact Sheet, July 5, 2012)

- For every 33 overseas travelers one new American job is created. (U. S. Travel Association, Travel Means Jobs, 2012)
ECONOMIC INFORMATION

CREATE STUDY SHOWS RETURN ON INVESTMENT

- For each additional CBP officer, the U.S. economy would be improved by:
  - $2 million increase in Gross Domestic Product
  - $640,000 reduction in opportunity costs
  - Addition of 33 jobs

- Additional officers also provide for increases in:
  - Drug, currency and intellectual property seizures
  - Trade penalty and liquidated damages assessments
  - Arrests and interceptions of inadmissible passengers

ECONOMIC IMPACT OF WAIT TIMES

- 45-minute wait times at the San Diego land POEs cause $1.28 billion in lost business income in the San Diego market area.
  (Source: San Diego Association of Governments study conducted in 2006)

- Border wait times at the five busiest southern border POEs result in an average economic output loss of $116 million per minute of delay.
  (Source: U.S. Department of Commerce International Trade Administration study conducted in 2008)

- In 2008, the delays cost the U.S. economy 26,000 jobs and $6 billion in output.
  (Source: U.S. Department of Commerce International Trade Administration study conducted in 2008)
What’s Next For CBP Field Operations

The Solutions: Resource Optimization Strategy

**BUSINESS TRANSFORMATION**
- Automate Paper Processes
- Increase use of Mobile Technology
- Expand Trusted Traveler and Trade Programs

**WORKLOAD STAFFING MODEL**
- Identifies CBPO Staffing Needs
- Rigorous, Data-Driven Model
- Validated, Flexible Approach

**ALTERNATIVE FUNDING SOURCES**
- Explore funding sources other than appropriations to support additional resources
- Private-Public Partnerships
Transformation and Partnerships

- Implementing a comprehensive and iterative business process review

- Incorporating advanced technologies, streamlining core processes; refining risk segmentation efforts; expanding operational best practices; and improving the travel experience.

- Engaging private industry and universities to partner with us:
  - Provide research and analysis
  - Invest in technology and infrastructure
  - Reimburse for enhanced services
Our Strategy To Effectively Manage Growth

- Implement Business Transformation Initiatives to Maximize Existing Resources

  - Western Hemisphere Travel Initiative
  - I-94 automation and other paper forms
  - Automated passport kiosks
  - Mobile technology
  - Expand Trusted Traveler Programs
  - New scheduling software
  - Express Connect and One-stop
Workload Staffing Model

- A decision support tool
- Congressionally mandated
- Helps identify CBP officer staffing levels and needs at ports of entry
- Based on quantifiable data
  - Includes all tasks performed by CBP officers at air, land and sea ports of entry
  - Accounts for holidays, sick days, training, administrative duties
Funding Strategies

- **Public – Private Partnerships**
  - Limited authority to enter into reimbursable services agreements with private stakeholders for new and future CBP inspectional services.
    - 5 pilot locations
  - Seek authority to accept donations of real and personal property (including monetary donations) and non-personal services from private, State, or local entities for port of entry facilities projects.
Moving Forward . . .

You can expect from us:

- Implementing transformation initiatives
- Regularly communicating and working closely with stakeholders
- Exploring alternative funding sources
Office of Air and Marine
CBP Office of Air and Marine Technology Overview

December 2013
Mission Statement
The Office of Air and Marine (OAM) protects the American people and the nation’s critical infrastructure through the coordinated use of integrated air and marine forces to detect, interdict and prevent acts of terrorism and the unlawful movement of people, illegal drugs and other contraband toward or across the borders of the United States.
U.S. Customs and Border Protection

Securing the Borders and Preventing Acts of Terrorism

U.S. Customs and Border Protection

Office of Field Operations

Office of Border Patrol

Office of Air and Marine

Office of Field Operations
U.S. Customs and Border Protection
Merger of Two Legacy Air and Marine Programs

U.S. Border Patrol
195 Personnel
120 Aircraft
74 Vessels

U.S. Customs and Immigration
1124 Personnel
145 Aircraft
103 Vessels

Office of Air and Marine

Current Air Assets
- 104 FIXED-WING ASSETS
- 137 ROTARY-WING ASSETS
- 241 TOTAL Aircraft

Current Marine Assets
- 178 Riverine Vessels
- 78 Interceptor Vessels
- 33 Coastal/Utility Vessels
- 289 Total Vessels
FY 2013 Performance Results

73,576 FLIGHT HOURS

44,685 UNDERWAY HOURS

2,194 WEAPONS SEIZED

63,562 ALIENS APPREHENDED

1,015,076 Lbs. MARIJUANA SEIZED

155,120 Lbs. COCAÍNE SEIZED

Office of Air and Marine
Air and Maritime Operations

BORDER SECURITY OPERATIONS
- Southwest Border Region
- Northern Border Region
- Southeast Border Region
- Air and Marine Operations Center

EXTENDED BORDER OPERATIONS
- National Air Security Operations Centers
- Source and Transit Zones

TRAINING
- National Training Centers

INTERIOR OPERATIONS
- Law Enforcement
- ICE Support
- Support for Events (NSSEs and SEAR)
- Humanitarian Operations (crisis and disaster relief)
- State and Local Support
## Law Enforcement / Humanitarian Missions

<table>
<thead>
<tr>
<th>OTHER FEDERAL, STATE AND LOCAL LAW ENFORCEMENT</th>
<th>ICE SUPPORT</th>
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<tbody>
<tr>
<td>• Investigative Support</td>
<td>• Surveillance, tactical insertion of warrant teams, Title III wiretap surveillance, controlled deliveries of contraband, evidence transport and the transportation of evidence or agents for time critical missions</td>
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<tr>
<td>• RECOM, CBIG, BEST</td>
<td>• FY13 ICE support resulted in the arrest of 381 suspected persons and the seizure of approximately 806,900 pounds of illegal drugs, $22,820,000 in currency, and 1,890 weapons</td>
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<tr>
<td>• Surveillance</td>
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<td>• Tactical Team Insertion</td>
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<tr>
<td>• Boston Bombings</td>
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<td>• West Texas Fertilizer Plant Explosion</td>
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<td>• FBI Support: Cascade Lake Kidnapping</td>
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<tr>
<td><strong>SPECIAL EVENTS</strong></td>
<td><strong>HUMANITARIAN OPERATIONS</strong></td>
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<tr>
<td>• Support U.S. Secret Service NSSEs</td>
<td>• Humanitarian response continues to expand</td>
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<td>• Provide real-time video downlink</td>
<td>• FEMA movement for Rapid Needs Assessment Teams</td>
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<td>• Support POTUS movement</td>
<td>• Long-duration surveillance flights and imagery requests for national disasters</td>
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<tr>
<td>• S1/S2 continuity of government relocation</td>
<td>• Situational awareness, critical infrastructure assessment, emergency response</td>
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<td>• Super Bowl</td>
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<tr>
<td>• Airspace security support to DOD</td>
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<tr>
<td>• Air support for tactical air/ground operations</td>
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America’s Homeland Security Frontline

Domain Awareness: Air, Maritime, Land
OAM Air and Marine Operational Locations

- 30 OAM Coastal Locations
- 39 USBP Riverine Locations
- 1 Training Location (NMTC)
- 1 Maintenance (NMC)
- 179 Riverine Vessels
- 78 Interceptor Vessels
- 31 Coastal Vessels/Utility
- 1 Platform
- 289 Total Vessels

- 109 Fixed-Wing Assets
- 139 Rotary-Wing Assets
- 248 Total Assets
- 3 Regional Headquarters
- 41 Operational Locations
- 1 Air Training Location

- 343 Marine Personnel
- 1168 Air Personnel
- 233 Mission Support

OAM Headquarters
- Air and Marine Operations Center (AMOC)
- Air and Marine Branch
- Air Training Center
- Marine Training Center
- Air Unit
- Marine Unit
- Air Security Unit
- National Air Security Operations Center (NASOC)
- Regional Headquarters
Air and Marine Operations Center (AMOC)

Air and Marine Branch

Air Branch

Air Unit

Marine Unit

Regional Headquarters

BROWN FIELD

SAN DIEGO

YUMA/EL CENTRO

EL PASO

ALPINE

DEL RIO

LAREDO

TUCSON

ALBUQUERQUE

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ALBUQUI
Southwest Border Region

The border with Mexico includes extremely harsh and inhospitable terrain that represents a significant challenge to border security

- Spans more than 2,000 miles of land

**MISSION**

- Illegal immigration and drug trafficking
- Counter-terrorism

**RESULTS (FY13)**

- 875,851 Lbs. Marijuana
- 1,337 Lbs. Cocaine
- 62,971 Apprehensions

**PERSONNEL**

- 424 LEO, 66 Support

**ASSETS**

- 18 air and 4 marine locations
- 133 aircraft and 99 vessels
- 15 riverine units staffed by Office of Border Patrol
Northern Border Region

The Northern Border Region is defined as the area between the United States and Canada, running from Washington through Maine, including the Great Lakes Region

- Spans 5,525 miles, the longest border shared by 2 countries

MISSION
- Illegal immigration and drug trafficking
- Counter-terrorism

RESULTS (FY13)
- 49,081 Lbs. Marijuana
- 787 Lbs. Cocaine
- 55 Apprehensions

PERSONNEL
- 236 LEO, 22 Support

ASSETS
- 9 air and 9 marine locations
- 36 aircraft and 79 marine vessels
- 23 riverine units staffed by Office of Border Patrol
SOUTHEAST BORDER REGION

- 14 FIXED-WING ASSETS
- 12 ROTARY-WING ASSETS
- 26 TOTAL ASSETS

Air and Marine Operations Center (AMOC)
Air and Marine Branch
Air Branch
Air Unit
Marine Unit
Regional Headquarters
Southeast Border Region

OAM’s presence in the Southeast Border region has been a long-standing deterrent to the alien, drug, and terrorist smuggling threat

- Spans more than 2,000 miles of coastline

MISSION
- Illegal immigration and drug trafficking
- Counter-terrorism

RESULTS (FY13)
- 20,247 Lbs. Marijuana
- 39,458 Lbs. Cocaine
- 649 Apprehensions

PERSONNEL
- 291 LEO
- 40 Support

ASSETS
- 4 air and 17 marine locations
- 26 aircraft and 59 marine vessels
National Air Security Operations Center (NASOC) - National Air Security Operations Center (NASOC)

- 145 LEO Personnel
- 131 Support Personnel

- Air Security Unit
- National Air Security Operations Center (NASOC)
Extended Border Operations

Contributed to the disruption of $8.7 Billion in cocaine in FY13

Over 18 lbs. of cocaine interdicted per P-3 flight hour flown

- Support to Mexican law enforcement (IAC)
- Support to Joint Interagency Task Force - South (JIATF-S)
- Operations support Office of National Drug Control Policy (ONDCP)

RESULTS (FY13)

- 9,332 lbs Marijuana
- 113,515 lbs Cocaine
Air and Marine Operations Center (AMOC) March Air Reserve Base in Riverside, California

- Established in 1988 as a state-of-the-art law enforcement radar surveillance center designed to counter the ongoing threat of airborne drug smuggling
- Multi-agency domain awareness and law enforcement operations center
- System capacity of 700 sensor feeds from the United States, Canada, and Mexico
- Multiple law enforcement data bases and communications networks
- Detects, sorts, and interdicts suspect air and marine tracks of interest
America’s Homeland Security Frontline

Domain Awareness: Technology solutions
Evolution to Increase Domain Awareness

Detection Technology
- Sensor Upgrades
- Advanced GMTI
- Law Enforcement Technical Collection
- Software: OSI
- EOIR on more airframes
- Night Vision Capability
- AESA Radar

Assets
- Fixed-wing: MEA, DHC-8
- Unmanned Aircraft Systems
- Rotor-wing:
  - Increased enforcement helicopter presence: AS-350, EC-120
  - Increased capability: UH-60 L/M, Huey II

Defense in Depth
- Source/Transit Zone
- P-3 sustainment
- Radar capability

AMOC
- Partnerships
- Increased capability
- Integration of Mexico and Canadian Radar Feeds
- Maritime Capability
**BigPipe**

- Innovative IT program feeds live images across the internet
- Leverage DoD waveform, hand-held devices
- Near real-time EO/IR streaming video, moving map
- Agile feeds to participating users worldwide
The Office of Air and Marine

Land Domain Awareness

Maritime Domain Awareness

AS 350 HELICOPTER

UAS Advanced GMTI

GUARDIAN UAS

AMOC

OSI Software

MEA

U.S. Customs and Border Protection
## Domain Awareness: Future?

<table>
<thead>
<tr>
<th>Air</th>
<th>Maritime</th>
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<tbody>
<tr>
<td>• Detection of short landers beyond the border</td>
<td>• Persistent surveillance along California Coast to meet threat</td>
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<tr>
<td>• Ultralight Air Incursions</td>
<td>• Broad surveillance swath of surface that will allow for advance queuing of maritime assets</td>
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<tr>
<td>• TARS replacement / renewal?</td>
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<tr>
<th>Land</th>
<th>Interoperability</th>
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<tr>
<td>• Surveillance technologies mountable on lightweight air platforms capable of change detection and tracking ground targets</td>
<td>• Communication and coordination between air, maritime, and land forces</td>
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<td>• Air agents to OBP on ground</td>
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<td>• Air agents to Maritime agents and OBP/ICE on shore</td>
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Office of Intelligence and Investigative Liaison
Office of International Trade
“Value Added Intelligence Supporting America’s Frontline”

Office of Intelligence and Investigative Liaison (OIIL) and DHS Science & Technology Efforts

December 2013
DHS S&T and CBP Projects

- Threat and Anomaly Detection Models – A visualization tool known as Link Discovery Application (LDA), successfully identifies subjects of interest

- Attribution Forensics Intelligence Program – A enhancement of forensics and examination analysis on seized goods smuggled into the U.S.

- Vehicle and Dismount Exploitation Radar – A wide area airborne sensor system that detects moving vehicles and persons Illegally entering the U.S. between the ports of entry

- Future Collaboration:
  - Space Visualization Initiative – A visualization tool for our deployed sensor technology
  - Predictive Analysis Tools – A tool that analyzing patterns and trends of Transnational Criminal Organizations (TCO)
Questions