

The 2011 Global Congress on Travel Risk Management

August 25-28, 2011

Best Practices on Perimeter Security – Intelligence-Led Layered Security

Presented By:
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Brandon Collins joined the Houston Airport System in 2009 after four years of United States Army active duty, mostly with the 3^d Armored Cavalry Regiment (ACR).

He graduated from Stephen F. Austin State University in 2004 with a degree in Communications and is currently attending South Texas College of Law. While completing his undergraduate degree, Brandon was heavily involved in many positions in the Sigma Chi Fraternity.

Brandon started his military career as an enlisted Soldier in November 2005. After completing basic training at Fort Benning, GA, he attended Officer Candidate School (OCS). Upon completion of OCS, Brandon was commissioned as a Second Lieutenant in May 2006. His military education includes the Military Intelligence Officer Basic Course and the Military Intelligence Captains Career Course.

Brandon has served in numerous leadership and staff officer positions while assigned as a Military Intelligence Officer to the 3^d ACR. He began as the Assistant Squadron Intelligence Officer for the 4th Squadron, 3^d ACR. During this time he proudly served with the attack Aviation, “Longknife,” Squadron that was instrumental in allowing the Iraqi people to take control of Sadr City, Baghdad, Iraq in April 2008. Upon completion of his initial assignment he was tasked to be the Tactical Unmanned Aerial Systems Platoon leader for two platoons in Mosul, Iraq, for the remainder of Operation Iraqi Freedom 07-09. When his Regiment returned home from 15 months deployed to Iraq he began his role as the Executive Officer for Headquarters Headquarters Troop, 4th Squadron, 3^d ACR. He currently serves as a Battalion and Brigade Observer Controller and Trainer with the 75th Division out of Ellington Field Joint Reserve Base in the United States Army Reserves.

Upon his exit from the active component of the United States Army, Brandon was recruited by the Houston Airport System (HAS) to develop a Threat Intelligence Program for the Public Safety component of the HAS. Since his recruitment to the airport system, he has developed a robust, viable and interconnected intelligence program. Furthermore, his recent speaking engagements and integration with colleagues in and around the city of Houston have resulted in very effective and complete intelligence-led, risk-based Public Safety operations HAS-wide.

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Best Practices in Perimeter Security - Intelligence-Led Layered Security

Presenters

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- Brandon Michael Collins, Intelligence Coordinator
- Developed a robust, viable and interconnected intelligence program at the Houston Airport System
- Graduate of the US Army's Military Intelligence Advanced Course and current student at South Texas College of Law
- Military Intelligence Captain, US Army Reserve

Presenters

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- President of New Age Security Solutions.
- Former Director of Security at Tel Aviv Ben-Gurion International Airport and the Israel Airport Authority and is currently
- World-leading security expert on aviation, maritime and law enforcement with more than 30 years of Israeli and worldwide security-related experience

The Best Perimeter?



http://www.inetours.com/Pages/SP_photos/Alcatraz/Columbus-Alcatraz.html



Overview



- Intelligence drives operations
- The Four D's of effective perimeter defense (Gruber, 2006)
- Public vs. Secure Facilities
- Incorporation of security layers to harden a "soft" target



Intelligence drives operations



- Threat Vulnerability Assessment (TVA)
 - Establish a Common Operation Picture (COP)
 - Establish a statement of intent
- Priority Intelligence Requirements
 - Who, What, Where, When, Why, How
 - Guide the intelligence process to meet intent
- Purpose
 - Build or upgrade facility with threat in mind



The Four D's to effective perimeter defense (Gruber, 2006)



- Deter
 - Visual Deterrence
 - First line of defense
- Deny
 - Ultimate goal is to deny
 - Push attackers as far away as possible



The Four D's to effective perimeter defense (Cont'd)



- Detect
 - Must be done quickly
 - Combine layers to accomplish
- Delay/Respond
 - Delay suspect for apprehension
 - Multiply layers needed



Public vs. Secure Facilities



- Public Facility (Hotel, Mall, Movie Theater, etc.)
 - Most difficult to protect
 - Multiple high-population facilities in every town
 - The open access is key to facility's survival



Public vs. Secure Facilities (Cont'd)



- Public/Secure Facility
- (Airport, train/subway, etc.)
 - “Blended areas” difficult to defend
 - Long history of attacks and future attacks planned
 - Public access is key to survival
 - Not ONE answer

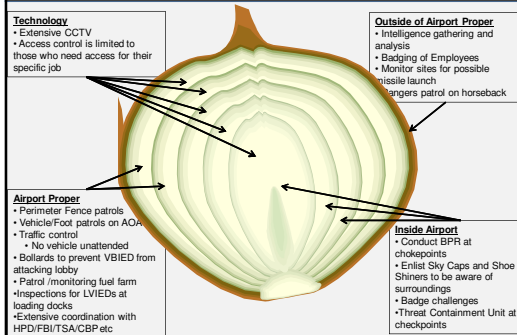


Incorporation of security layers to harden a “soft” target



- Access-Control Roster
- Access-Control Card Readers
- Closed-Circuit Television with Digital Video Monitors
- License Plate Recognition
- Mounted Patrol
- Old Fashioned Fencing
- Additional Options

Houston’s Layered Approach



Questions?



© Houston Airport System





Factors & best practices in terminal security

Presented by
Rafi Ron
CEO
NASS



Introduction



- The shift from traditional Law Enforcement to Security.
- Terrorists & criminals. Are they the same breed?
- The regulatory perspective. Is it enough?
- The role of local and Federal government.
- Responsibility & Authority



Security planning

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- Define the threats.
- Develop a policy paradigm.
- Carry out a Risk Analysis.
- Develop a Security Master Plan

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Security planning

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- Create Design Guidance Criteria
- Build and commission.
- Create a full detailed security program
- Manage .

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Pillars of terminal Security

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- Organization
 - Design
- Technology
- Operations
- Information management

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The Security Organization

- Responsibility
 - Authority
- Accountability
- Daily management
- Emergency management

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Security design factors

- Structure Blast resilience
- Non structural blast mitigation.
 - Fire Safety
 - Ventilation control
 - Evacuation options

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Security Systems

- Access Control
- Surveillance & Video Analytics
- CBR Detection
- Special sensors
- LPR
- C4I & Situation awareness platforms.

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Information Management

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- Situation awareness
- Data bases
- Sensors
- Operational procedures
- BPR
- CAD & Technical information
- Reports

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Operations

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- Procedures
 - Staffing
 - Skills
- Behavior Pattern Recognition™

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Terminal Security principles

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- Deterrence
- Detection
- Interdiction
- Incident management
 - Rescue
 - Recovery



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Coordination



- Local Law Enforcement
 - First responders
- Tenants & concessioners
 - Federal agencies



The Security Culture



- Motivation
 - Training
 - Discipline
 - Leadership

Summary

- The importance of proper planning.
- The security upgrade.
- The intelligence approach to security.
- Information integration
- Deterrence, Detection & interdiction.
- Preparedness & emergency management



Thank you for your attention

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