

Events in 2009
And
A Solution Methodology



GENERAL AVIATION SECURITY









Psycho-
Babble






2009 GA Security Retrospect

- TSA NPRM
 - Large Aircraft Security Program
 - Other Aircraft Operator Security Program
 - Airport Operator Security Program
- SD-o8G
- DHS Inspector General Report:
 - TSA's Role in General Aviation Security
- 2009 TSA Authorization Act
 - Mica Amendment
- General Aviation Security Enhancement Act of 2009




TSA NPRM-2008-0021

- Large Aircraft Security Program
 - Other Aircraft Operator Security Program
 - Airport Operator Security Program
 - 42% of Reliever Airports Unable to Support LA
 - Insufficient runway length (5,000' or less)
 - Insufficient runway load bearing capacity (<12,500 lbs)
 - No publicly available turbine fuel (Jet A)
 - Round 2 coming up shortly
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SD-08G

- Official Title: SD 1542-04-08G
 - Began as “08F”
 - Security badging of GA pilots for non-SA/SIDA access to Commercial Service Airports (Home airport)
 - Epicenter in Central Colorado
 - Lesson Learned
 - Communicate the issue
 - Share your concern
 - Don’t accept “the inevitable”
 - A lesson in Civics
 - Public pushback set off alarms in Congress....
- 



DHS Inspector General Report

- Title: TSA's Role in General Aviation Security
 - Sneak peak for 20 minutes from now
 - $R = C \times T(\&t) \times V$
 - Is GA a Threat?
 - DHS IG says risk "limited and mostly hypothetical"
 - $R = C \times (\text{zero}) \times V \dots$ equals zero
 - Consider the frame of reference
- 



Frame of Reference

- Risk has different contexts
 - National Security
 - Preservation of the state
 - Public Safety
 - Protection of Uninvolved Public
 - Industrial Security
 - Business Continuity
 - Investment Protection (Asset Protection & Return on Investment)
 - Local Public Support (Politics & Economics)
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FY2010 TSA Authorization Act

- The Mica Amendment (House Amdt 164 to HR 2200)
 - Named for Congressman John Mica (R-FL)
 - Alters Standard for TSA Emergency Regulations or Security Directives
 - No more than 180 days without undergoing rulemaking process and public comment
 - To be implemented for more than 180 days the regulation or SD subject to Administrative Procedures Act

GA Security for 2010

- LASP...Round 2
 - Public comment period complete in late 2009 or early 2010
 - Don't expect another 60 day extension
- Legislation in the Hopper
 - GA Security Enhancement Act of 2009
 - Expect rough going in the U.S. Senate
- LASP/OAOSP/AOSP Version 2
 - Final Rule Late Spring/Early Summer 2010
 - Processes to begin by Fall/Winter 2010

GA Security for 2010 and 2011

- Acting Domestic Nuclear Detection Office (DNDO) director Dr. Charles Galloway disclosed concept of Gateway Airports
 - International and Domestic Airports
 - Locations not in densely populated urban areas
 - Inspect GA aircraft before travelling to large cities
- Galloway disagrees with DHS IG's threat assessment of General Aviation

Source: *National DEFENSE* magazine, Sept 2009, pg 11

Protecting General Aviation

- Security isn't cheap
 - Applied improperly security measures can be an expensive and unsupportable overhead expense
 - Applied ineffectively security measures are **resented** by the very group for which security was applied to protect
- Bad security destroys credibility
- "One size" doesn't fit all in GA
 - "If you've seen one airport, you've seen one airport."

Return-On-Investment (ROI)

- If you're not getting any ROI, why are you doing it?
- Who runs their airport as a charity?
 - Who's giving away AvGas? Hangar space?
- What do your "investors" expect to get back from the airport?

Security is a Business Enabler

- Security protects key assets
 - Business case to create a prioritized list of assets
 - Anybody here have all the money they could ever want for their airport?
 - Picking, choosing, prioritizing
 - Getting the most bang for the buck
 - In other words...

Maximizing available assets and spending wisely to reduce risk to an acceptable level



Available Assets?

- What assets do you have in abundance at your airport?
 - Money?
 - Probably not
 - Community support?
 - Maybe
 - People (airport users & tenants)
 - Probably so



Security is People

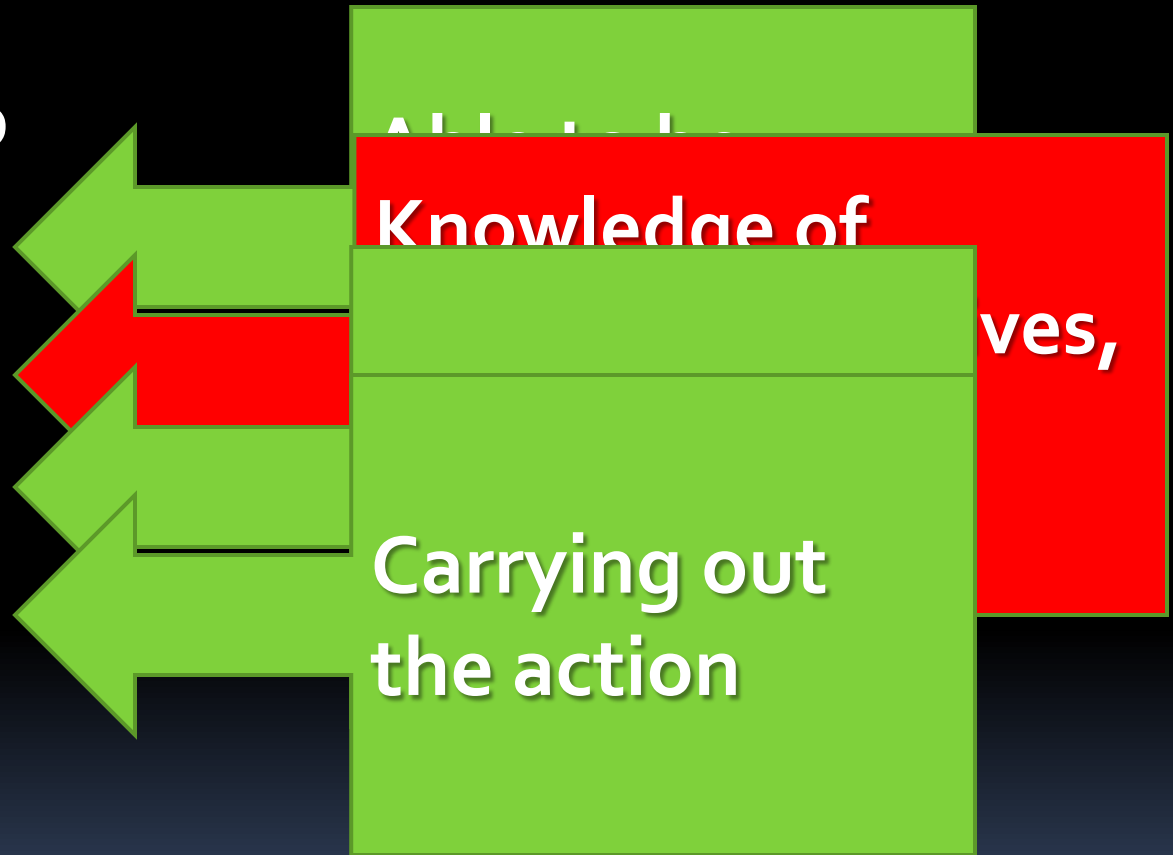
- People are the “action takers”
 - Example: the person who sees something suspicious and communicates that to...somebody
- People are the “action doers”
 - Airport management
 - Tenant management
 - First responder
 - Local Law Enforcement
 - Crash, fire & rescue
 - Emergency medical services

People as Security

- Sensors
 - Optical, aural, olfactory, tactile
- Processes
 - Knowledge of expected actions, concept of mutual defense, action beyond self-interest, education fills experience gaps in general population
- Action
 - Who, what, where, when, how (why...maybe)
- Feedback to Sensors

Action Takers

- OODA Loop
 - Observe
 - Orient
 - Decide
 - Act



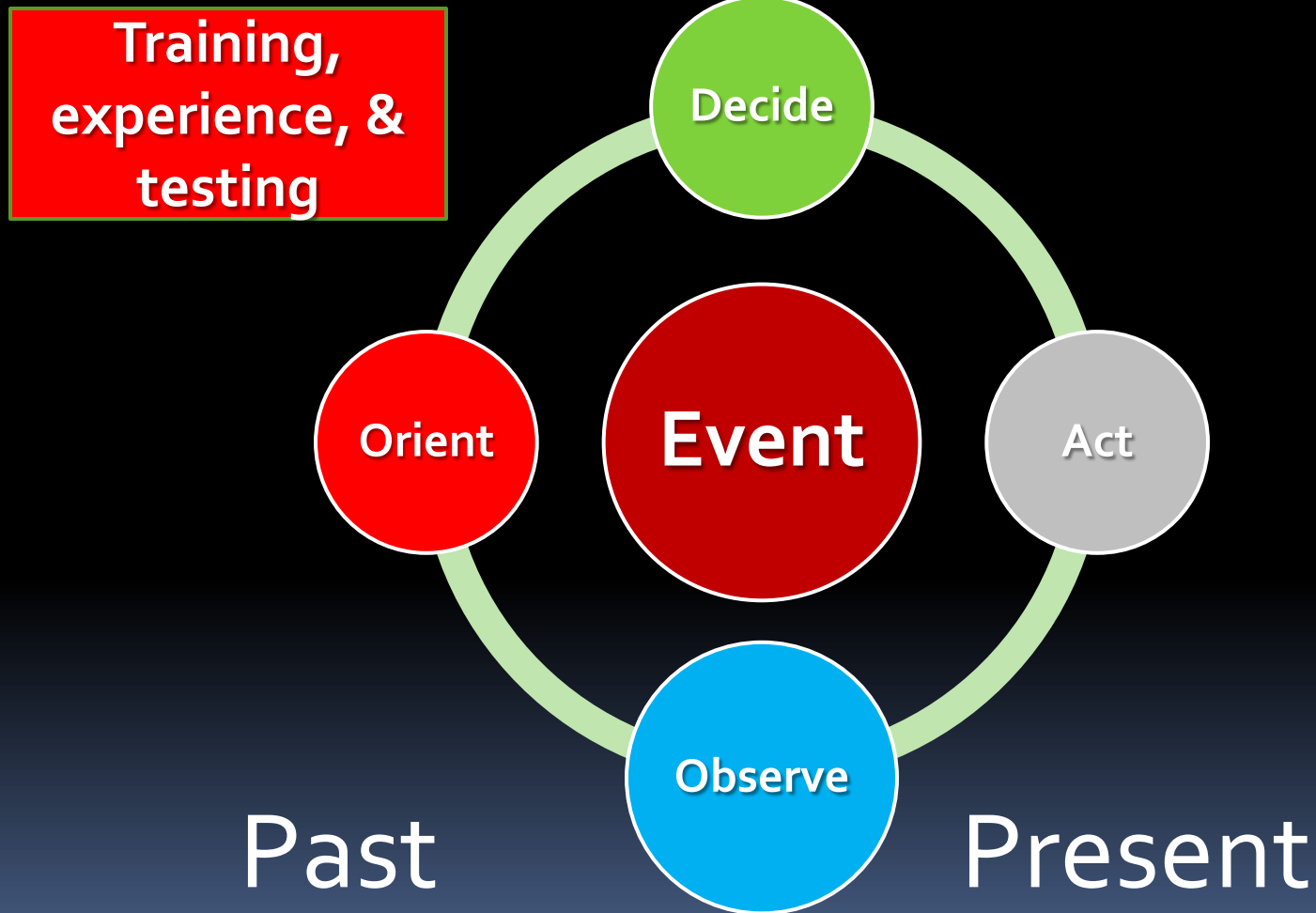
Creating Security Enablers

- This isn't magic...it's deliberate planning
- An enabler at one airport isn't necessarily an effective enabler at another...except for 1

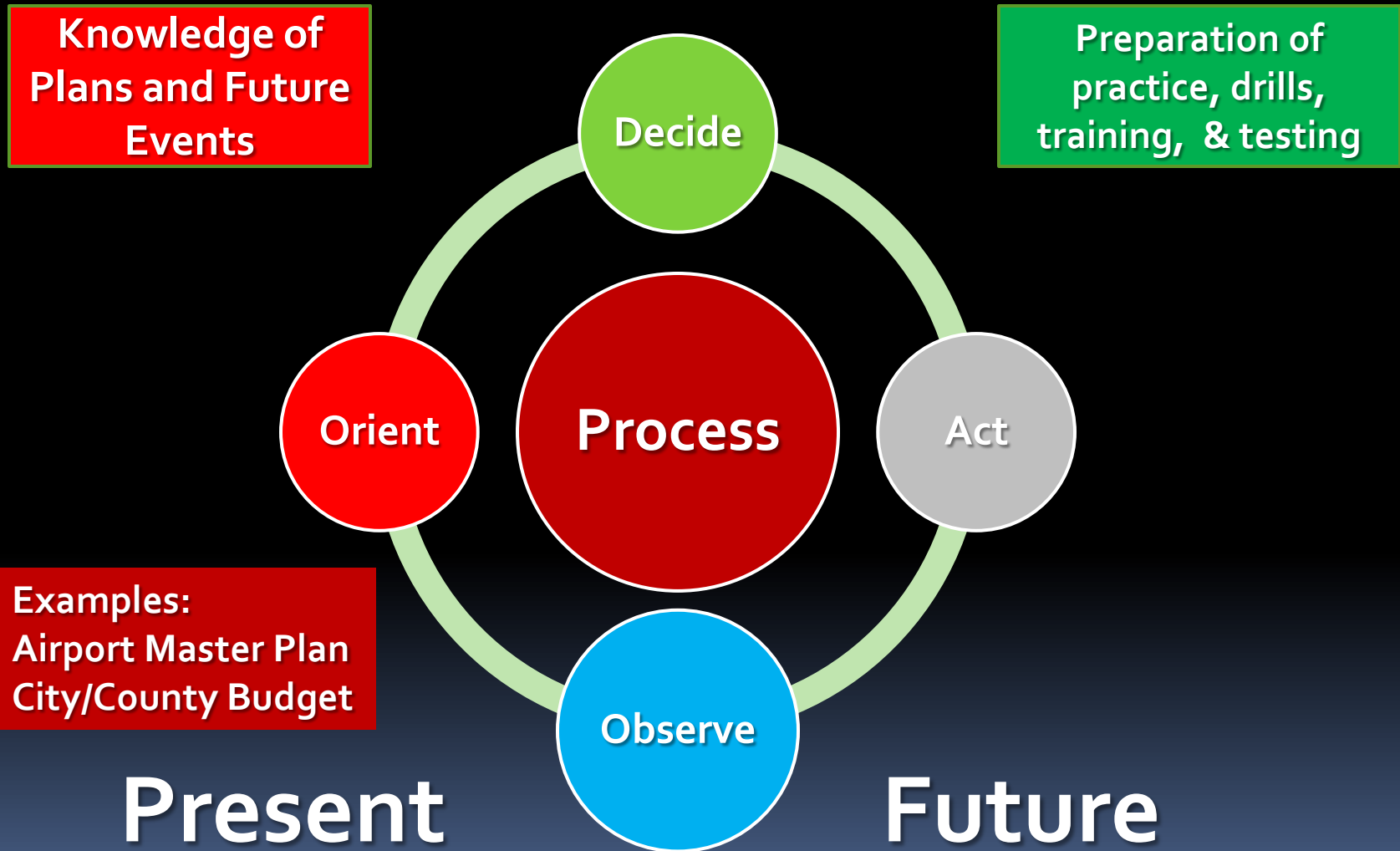
KISS

- Keep
- It
- Simple
- Sir / Ma'am

Event-Based OODA Loop



Process-Based OODA Loop



Systematic Approach to Enablers



Sensors

- Vision
- Hearing
- Smelling
- Touching

Processes

What is Allowed?
When?
Where?
How / How much ?
What Is Not Allowed?

Action

Where ?
When ?
Who ?
What ?
How/How much ?

Enabler...Sensor, Vision

- Increase Line-of-Sight at gathering points from where high-value assets can be observed
 - Example: Trim grass and bushes between gathering location and FBO hangars
- Increase desirability of preferred gathering location
 - Example: Put the Coke or coffee machine where people will have the desired area in natural field of view

Enabler..Processes, What is Allowed?

- Improve airport regulations to increase opportunity to detect unauthorized access
 - Example: Close and lock lesser-used gates after hours and have remaining open gates in well-lit areas where buildings or businesses are manned later/earlier
- Educate and SUPPORT/REINFORCE those who have the greatest opportunity to detect unauthorized access
 - Example: Free coffee and donuts for those who attend the airport board meeting (discuss security)
 - Example: “Eagle Eye” Award for a security catch...free lunch at airport café and plaque for local business

Enabler..Action, What To Do?

- Everyone is human and subject to making mistakes...make it easy for someone to do the right thing
 - Example: Laminated pocket card (yes...a checklist) with local emergency and non-emergency telephone numbers
 - Example: Pocket card tells what information to gather
 - Example: Pocket card reminds action taker to call or communicate from a safe location

Creating Enablers Useful to Your Airport


- “If you’ve seen one airport....”
- Who knows your airport better than you?
- People are your best asset
 - Tend to be cost effective
 - Flock in fair weather

HOWEVER...

- Scarce in bad weather
 - Scarce at night
- Making best use of people will probably allow you to focus scarce dollars on other security areas




Review

- Our security experience from 2008/2009
 - What we can expect to see in 2010 and beyond
 - How to improve security by using a simple methodology
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Questions

Your turn to hold my feet to the fire





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