Center for Development of Security Excellence
Webinar: Security In Depth

DEFENSE COUNTERINTELLIGENCE AND SECURITY AGENCY

Instructor Introduction

Charlie Cook

- General Security Instructor responsible for:
    - Course instruction
    - Curriculum development
    - Curriculum review

- 19+ years of experience in Law Enforcement and Security Operations; Army Veteran

- Actively holds SFPC, SAAPC, and ISP® certifications

- Served as a Facility Security Officer, Contractor Program Security Officer, Insider Threat Program Senior Official, Information Systems Security Manager, Security Auditor, and Security Education & Awareness Program Administrator for various DOD contractors

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Poll Question #1

What is your experience with Security-in-Depth?

Webinar Objectives

Definition and Purpose of Security-in-Depth (SID)

Identify Physical Security Measures

Incorporating Security-in-Depth

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Definition

Security-in-Depth is a determination by the senior agency official that a facility's security program consists of layered and complementary security controls sufficient to deter, detect, and document unauthorized entry and movement within the facility.

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Poll Question 2 – Short Answer

- Consider one asset at your Installation/Facility; how do you employ security-in-depth to protect that asset?

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Purpose

P.I.E.F.A.O.

People	Facilities
Information	Activities
Equipment	Operations

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Purpose (continued)

- Safeguard personnel

- Prevent unauthorized access to equipment, installations, facilities, materials, and documents

- Safeguard assets against espionage, sabotage, damage, and theft

- Control movement within a facility

Poll Question #3 – Short answer

- What are some examples of integrated countermeasures?

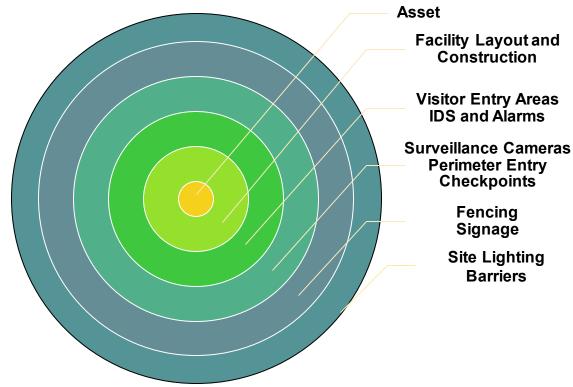**DEFENSE COUNTERINTELLIGENCE AND SECURITY AGENCY**

Concept

- Integrated countermeasures are security measures employed to deter, delay, detect, deny, or prevent aggression or attacks on identified critical assets.
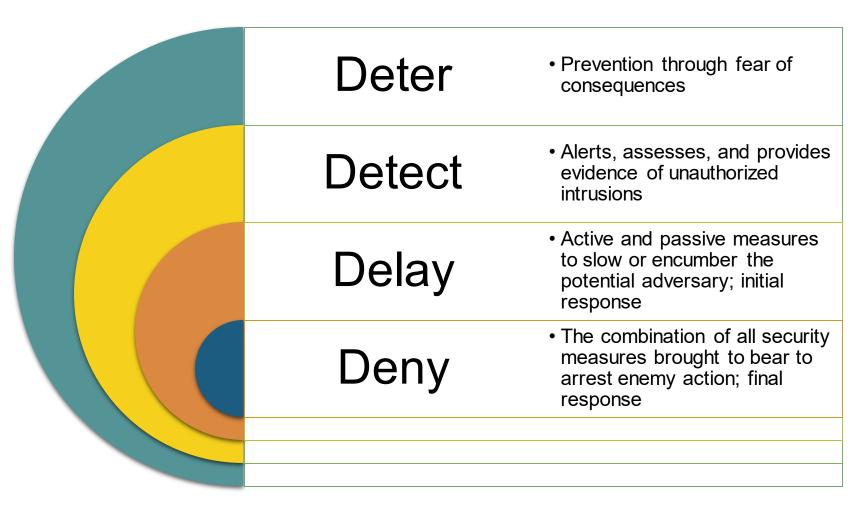
Concept (continued)

- Security-in-Depth: Multilayered approach employing human and other physical security measures to create a layered defense against potential threats

Asset

Facility Layout and Construction

Visitor Entry Areas
IDS and Alarms

Surveillance Cameras
Perimeter Entry
Checkpoints

Fencing
Signage

Site Lighting
Barriers

SID Concept

Layered approach

Deter	• Prevention through fear of consequences
Detect	• Alerts, assesses, and provides evidence of unauthorized intrusions
Delay	• Active and passive measures to slow or encumber the potential adversary; initial response
Deny	• The combination of all security measures brought to bear to arrest enemy action; final response

Physical Security Measures

- Barriers

- Fencing

- Clear zones

- Signage

- Lighting

- Man-passable openings (secured)

- Video surveillance systems

- Intrusion detection systems (IDS)

- Access control systems

- Access control procedures

- Screen equipment

- Two-way radios

- Locks

- Security containers

- Security forces

- Doors

- Windows

- Walls

- Forms

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Poll Question #4

What is considered the **most** valuable countermeasure you can use?

    a. Access control system

    b. Intrusion detection system

    c. Security personnel

Security Personnel

Security forces provide the enforcement element of a physical security program. Security forces may consist of:

- Military Police
- Federal Government Police (job series 0083)
- Security Guards (job series 0085)
- Contract Security Guards
- K-9 Teams

Access Control Systems

Access Control Systems consist of:

- Electronic locks

- Card readers

- Biometric readers

- Alarms

- Computer systems to monitor/control access

Individual's credential compared against a database; once approved, system sends output signals allowing authorized personnel to pass through controlled portals.

Closed Circuit Television System

CCTV System = integration of cameras, recorders, switches, keyboards, and monitors to allow viewing and recording of security events, utilized for:

- Alarm-assessment

- Surveillance

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Physical Barriers

Physical barriers:

- Define perimeter

- Establish physical and psychological deterrent to adversaries

- Delay and disrupt an attack

- Channel flow of personnel and vehicles through designated areas

- Can be natural or manmade

Signs

Signs should be positioned to assist in:

- Controlling authorized entry

- Deterring unauthorized entry

- Precluding accidental entry

Signs should be clearly displayed and legible (bilingual for areas where multiple languages are spoken) from any approach to the perimeter from a reasonable distance.
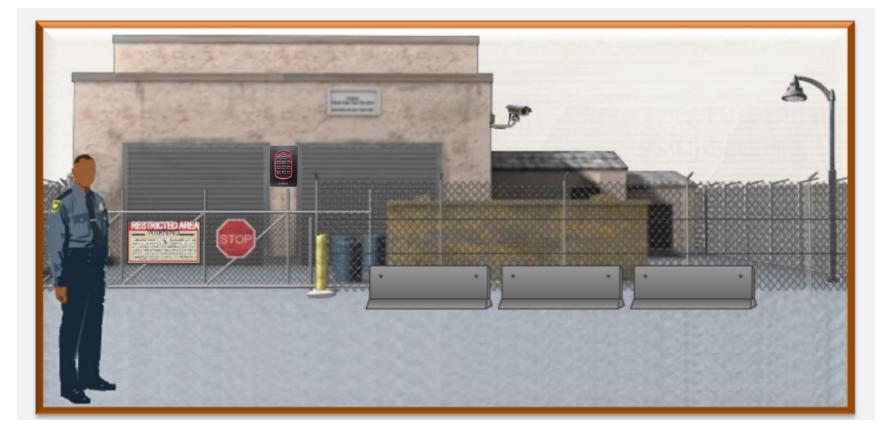
Security Lighting

Security lighting should:

- Discourage/deter entry attempts

- Make detection likely

- Prevent glare for guards

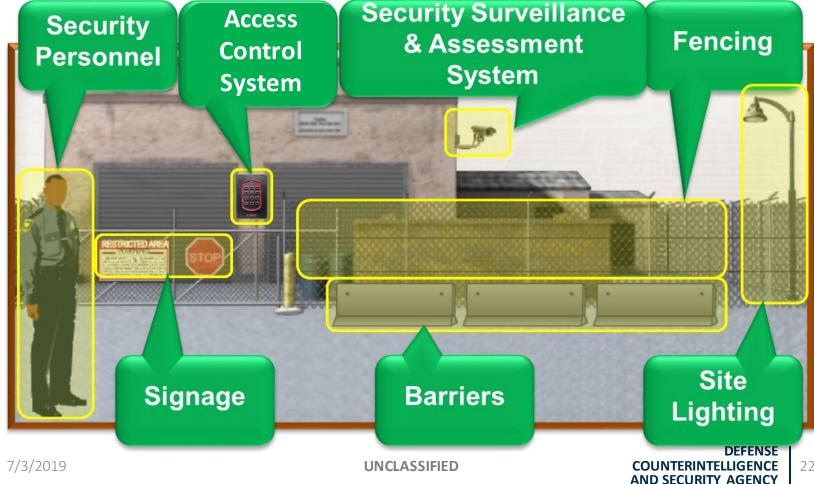- Not impede CCTV or other automated monitoring systems

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Poll Question #5 – Short Answer

- What physical security measures are being used to safeguard this facility?

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Poll Question #5 – Short Answer

- What physical security measures are being used to safeguard this facility?

Coordination with Other Programs

- Law Enforcement
- OPSEC Program
- Information Security Program
- Personnel Security Program
- COMSEC Program
- Counterintelligence Program
- Anti-Terrorism Program

Summary

Definition and Purpose of Security-in-Depth (SID)

Identify Physical Security Measures

Incorporating Security-in-Depth

Want to Learn More?

eLearning

- Introduction to Physical Security

- Physical Security Measures

- Physical Security Planning and Implementation

- Physical Security Virtual Environment Assessment

Instructor-Led Training

- Physical Security and Asset Protection Course

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Questions

Contact Information

Please submit questions to:

dcsa.cdsetraining@mail.mil.

Center for Development of Security Excellence (CDSE)

Defense Counterintelligence and Security Agency (DCSA)

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