

## Security-in-Depth

---

---

---

---

---

---

---

---

### Physical Security Webinar



**Host: Danny Jennings**



- Physical Security Curriculum Manager responsible for:
  - ✓ Curriculum development
  - ✓ Course instruction
  - ✓ Curriculum review
- Retired military; over 20 years of experience in Law Enforcement and Security Operations
- Worked as a DoD Contractor for Defense Threat Reduction Agency as onsite Program Manger for Access Control
- Served as a Supervisory Physical Security Specialist with Pentagon Force Protection Agency

---

---

---

---


---

---



---

---

### DCO Meeting Room Navigation



**Notes** box for audio information and other announcements



Use **Full Screen** (upper right corner) to maximize view of the presentation.

Click **Full Screen** again to switch back. You will need to be out of Full Screen view to respond to poll questions.

---

---

---



---


---


---

---

---

 **DCO Meeting Room Navigation** 

**Q&A** box for entering questions/feedback 

**File share** box to download material for today's presentation 

---

---

---



---

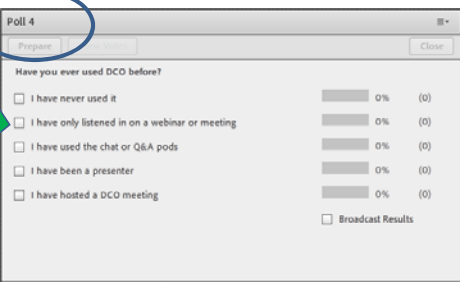
---

---

---

---

 **Example of a Poll Question** 



---

---

---



---

---


---

---

---

 **Chat Question #1** 

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

**Enter your responses in the chat box** 

---

---

---

---

---

---

---

---

 **Webinar Objectives** CDSE

Definition and Purpose of Security-in-Depth (SID)  
↓  
Identify Physical Security Measures  
↓  
Incorporating Security Measures-in-Depth

---

---

---


---

---


---

---

---

 **Definition** CDSE

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.



---

---

---

---

---


---

---

---

 **Purpose** CDSE

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

 People	 Facilities
 Information	 Activities
 Equipment	 Operations

---

---

---

---

---

---

---

---

 **Purpose (cont.)** 

- ✓ Safeguard personnel
- ✓ Prevent unauthorized access to equipment, installations, material, and documents
- ✓ Safeguard assets against espionage, sabotage, damage, and theft
- ✓ Control movement within a facility

**Through the integration of countermeasures!**



---

---

---



---

---


---

---

---

 **Chat Question #2** 

What are some examples of integrated countermeasures?

**Enter your responses in the chat box** 

---

---

---

---

---

---

---

---

 **Concept** 

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



---

---

---

---

---

---

---

---

**Concept (cont.)** CDSE

SID: Multilayered approach employing human and other physical security measures... to create a layered defense against potential threats

- Facility Layout and Construction
- Visitor Entry Areas IDS and Alarms
- Surveillance Cameras Perimeter Entry Checkpoints
- Fencing Signage
- Site Lighting Barriers

---

---

---

---

---

---

---

---

**Concept (cont.)** CDSE

Employs active and passive complementary physical security measures to ensure protection of DoD assets.

---

---

---

---

---

---

---

---

**SID Concept** CDSE

**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)
- IDS sensors and detectors
- Access control systems
- Access control procedures
- Screening equipment
- Two-way radios
- Locks
- Security containers
- Security forces
- Doors
- Windows
- Walls
- Forms

0-18

---

---

---

---

---

---

---

---

 **Poll Question #1** 

---

---

---

---

---

---

---

---

 **Security Personnel** 

Security forces provide the enforcement element of 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



---

---

---



---

---

---



---

---

 **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







---

---

---



---

---


---

---

---

 **Chat Question #3** 

What physical security measures could be used to safeguard this facility?



Active Physical Security Measures + Passive Physical Security Measures = Security-in-Depth

---

---

---

---

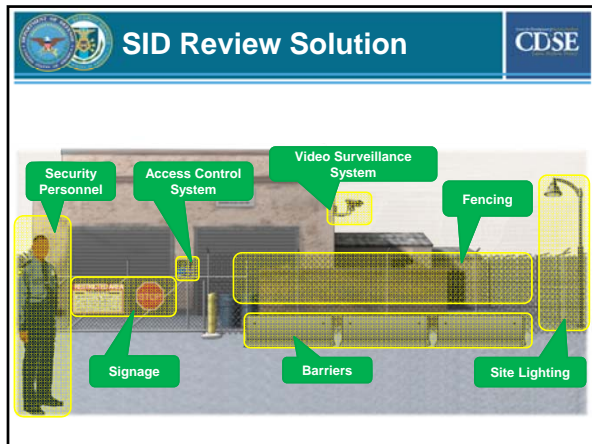
---

---

---

---





---

---

---

---

---

---

---

---



---

---

---

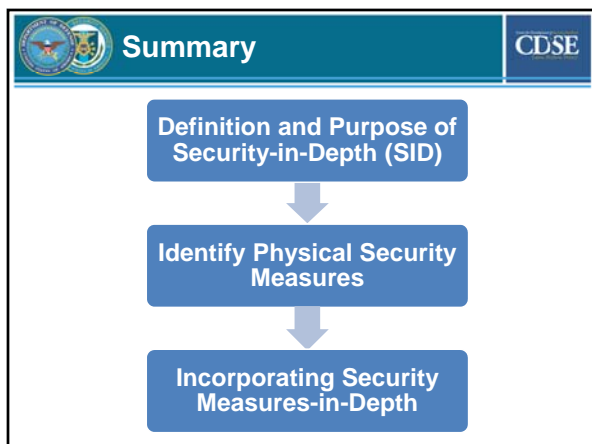
---

---

---

---

---



---

---

---

---

---

---

---

---

 **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**

- Applying Physical Security Concepts Course

**August 5-9, 2013 Linthicum, MD**

---

---

---



---


---

---

---

---

 **Questions?** 



**PhysicalSecurity.Training@dss.mil**

---

---

---



---

---

---

---

---

 **Contact Information** 

Handouts and frequently asked questions from this webinar will be posted at:  
<http://www.cdse.edu/catalog/webinars/physical-security/physical-security-postures.html>

You may also email Physical Security training related questions to DSS at [PhysicalSecurity.Training@dss.mil](mailto:PhysicalSecurity.Training@dss.mil).

Thank you for attending the CDSE Security-in-Depth webinar.

---

---

---

---

---

---

---

---