



USDA PHYSICAL SECURITY PROGRAM

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Discussion Level: Unclassified

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OUTLINE

- Purpose
- Organizational Structure
- Responsibilities
- Mission Statement
- Methodology
- Security Assessments
- History & Examples
- Questions



PURPOSE

To Explain:

- **Who** is responsible for the security of USDA assets and personnel
- **What** are the assets USDA needs to protect
- **How** are those assets protected (Methodology)
- **Why** is it important for USDA to secure these assets



ORGANIZATIONAL CHART

Secretary of Agriculture

Assistant Secretary Administration

Director OPPM

Chief Property Management

Chief Physical Security



MISSION STATEMENT

Develop, implement, coordinate, maintain, and monitor USDA-wide physical security policies, procedures, statements, and guidelines for the protection of USDA critical assets and personnel



RESPONSIBILITIES

- Develop USDA Physical Security Policy and Procedures
- Conduct Site Assessments
- Provide Physical security oversight and compliance
- Provide guidance
- Protect USDA personnel, assets, and facilities



WHAT

- Over 675,000 pieces of personal property worth over \$3.2 billion
- Over 192 million acres of land (Texas & South Carolina combined)
- Approximately 51 million square feet of space (owned & leased)
- Over 25,000 facilities
- Over 100,000 employees



MISSION CRITICAL ASSETS / ESSENTIAL INFRASTRUCTURE

- IT Systems
- Hardware
- Research Data / Information
- Lab Equipment
- CBR Material (precursors for WMD)
- Research Material (plants, animals, insects, seeds, toxins, pathogens, GMOs, etc)
- Personnel (Institutional Knowledge)
- Buildings



HOW: RISK MANAGEMENT APPROACH

- It is the policy of USDA to efficiently and effectively manage the risk .
- Greater management control and accountability at all levels for intellectual, personal, and real property assets, as well as a secure work environment for USDA personnel and its contractors.
- Mitigate the consequences of an attack.



PROCEDURES

- Asset Identification – Critical, Expensive, Mission Essential
- Criticality Assessment – How critical and when its most critical (growing season)
- Threat Assessment
- Vulnerability Assessment
- Gap Analysis
- List of Recommendations / Security Countermeasures (common sense approach)

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SECURITY ASSESSMENTS

- Based on the Risk Management Approach
- Tailor the correct Assessment Team
- Initial Notification
- In-Brief
- Site Tour / Assessment
- Out-Brief
- Written Report



WHY

- Presidential Decision Directives
- September 11, 2001 Tragedy
- USDA OIG Audit Report
- Regulatory Requirements
- Current Events
- USDA's long term goal in protecting USDA assets

ASSESSMENT HISTORY

- 120 sites in the last year – offices and BSL 1 & 2 Labs
- Agencies including: ARS, NRCS, FS, APHIS, and AMS
- Approximately 30 sites have been on University / College Campuses



EXAMPLE OF VULNERABILITIES

IT



- Exploitable Web Content (too much personal data and pictures on the web)
- Background checks on students and contractors
- Privacy Act information left unsecured
- Centralized backup and recovery procedures
- Screen saver and BIOS passwords should be utilized
- Protect server and communications rooms
- Penetration tests and vulnerability scans
- Students utilizing systems without signing non-disclosure statements

EXAMPLE OF VULNERABILITIES

CBR

- Unauthorized access into labs by students
- Unauthorized sharing of lab equipment and instruments
- Freezers, refrigerators, and growth chambers not secured in the evenings
- No backup generators or UPS on critical systems and/or freezers
- Chemical / Hazardous Waste not being properly secured
- Rooms with pathogens and radio isotopes need to be secured
- Protect water and utility supply to include purification system and wells
- Protect controlled substances



EXAMPLE OF VULNERABILITIES

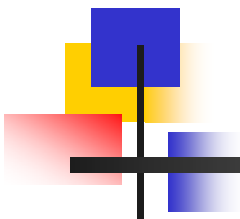
Physical

- Control Access to prevent unauthorized access into buildings
- Mail handling and non-centralized package deliveries
- Protecting mechanical and utility rooms and equipment
- Key control
- ID badges
- Air intakes
- Harden buildings and rooms for after hours
- Good working relationship with campus and/or local police
- Parking





UNITED STATES DEPARTMENT OF
AGRICULTURE



Questions?