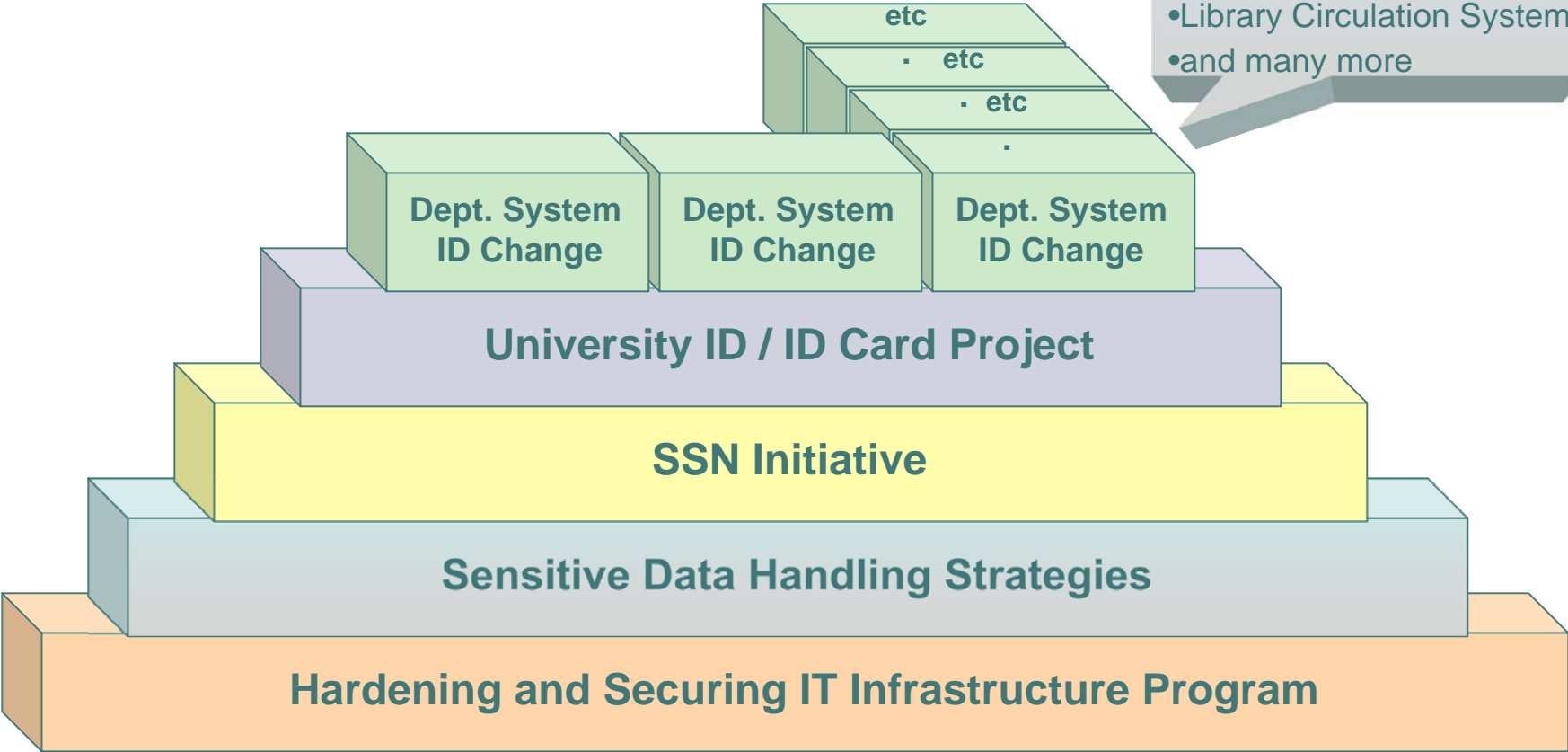




Multi-layered Security Strategies

- Some ITC service granting processes
- Housing System
- Meal Plan System
- Parking & Transportation System
- Library Circulation System
- and many more





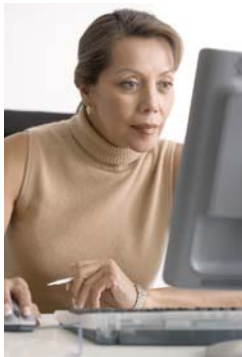
Hardening & Securing IT Infrastructure Program

- Includes:
 - Enhancing security of sensitive data
 - Eliminating single points of failure in most mission-critical systems and services. Includes new machine room.
 - Implementing tools for stress testing systems and applications

Sensitive Data Handling Strategies



Ensure sensitive data requested only when essential



Ensure sensitive data access authorized to least # of people



- Implement clearer sensitive data use policies
- Communicate responsibilities for data protection
- Implement compliance verification processes



Ensure sensitive data provided only when essential



Ensure sensitive data stored only in highly Secured devices and file cabinets



SSN Initiative

- Provides direction to, coordination of, and visibility on many SSN remediation efforts across Grounds.
- To the extent possible solutions will be applied that will not require rework with implementation of SSP.
- Scope covers the entire University.
- Some improvements should be apparent by the Fall 2007 semester. Overall effort likely to take several years to complete.




University ID / ID Card Project Objectives

- Address physical card security risks
 - Current cards include SSN in magnetic stripe
 - Older cards also display SSN on front
 - Date of birth displayed on student cards



University ID / ID Card Objectives - continued

- Address security risks of card-dependent systems
 - Stored records of service use include SSNs
 - Interfaces with other systems transmit SSNs
 - Manual vouching processes use SSNs



University ID / ID Card Solutions

- Reformat and reissue ID cards
 - No SSNs
 - No DOB
 - Issued to new students, faculty and staff
 - All existing cards replaced

- ● ● | University ID / ID Card Solutions - continued

- Use 9-digit random number in place of SSN on card and in card-dependent systems
 - Unique to individual card holder
 - Will never change or be reassigned
 - Stored records of service use will include new number
 - Random number to SSN (and vice versa) automatic translators will allow system interfaces to continue operating
 - Used for manual vouching



Integration Into Other Legacy Processes & Systems

- Unique random number provides accurate, consistent way to establish individuals distinct identity for university business
- Replacing SSNs with 9-digit random number makes reprogramming much simpler
- Most data collection, storage, and display processes could use random number without incurring unacceptable security or privacy risks