

DMDC

Information and Technology for Better Decision Making

Identity Management – An Executive Perspective

May 6, 2008

Presented By:

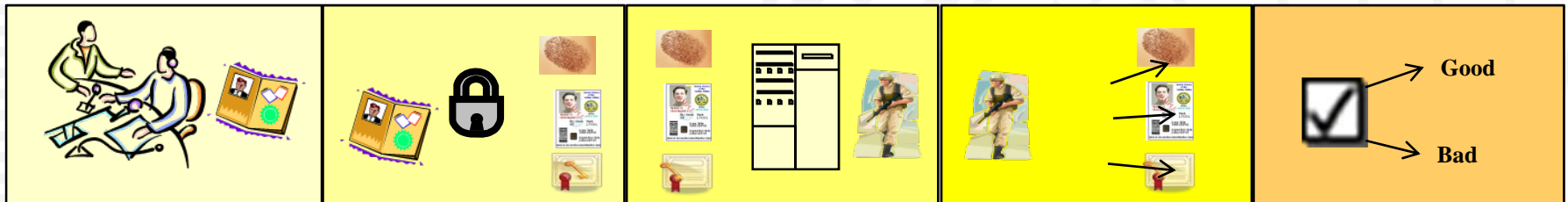
Mary Dixon
Director, DMDC



May 2008

Identity Management – What is it?

A Process that provides a solid foundation for benefits, logical and physical security and force protection (networks/ facilities/web services)



Verifying identity documentation history and suitability

Binding identity information to credential.

Associating credential with individual. (Authoritative Source)

Discovering / Presentation of credential. (Was this credential issued to you)

Authenticating credential. (Is this credential still valid)

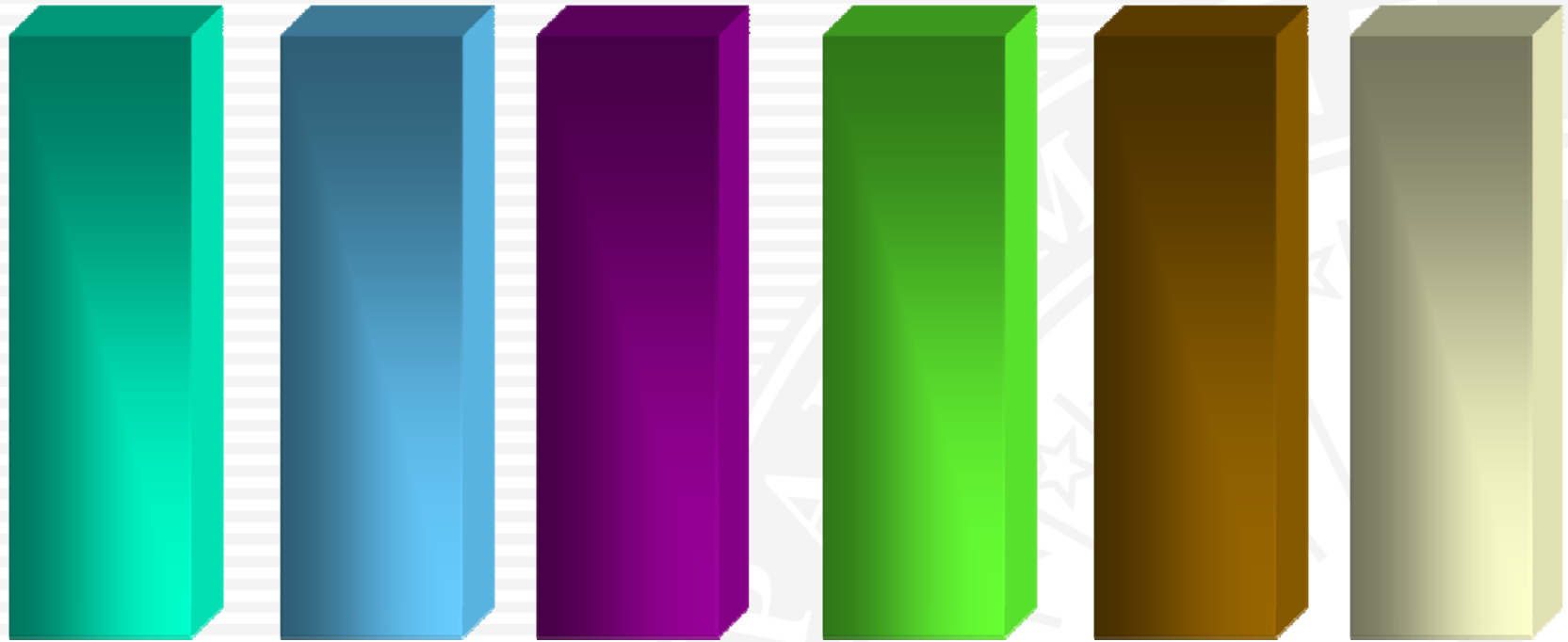
Information-Sharing

"[The federal government] We're charged with the security of the country, first responders are charged with the security of the country, and if we can't share information between vital agencies, we're not going to be able to do our job." - President George W. Bush, 04/20/2004*

"No single step is more important to strengthen our intelligence than to improve information sharing." - Thomas H. Kean and Lee H. Hamilton, Chairman and Vice Chairman of the 9/11 Commission, respectively, 11/23/2005*

*Source: *9/11 Commission Report*

Old Think



**Personnel
Security**

Personnel

Credentialing

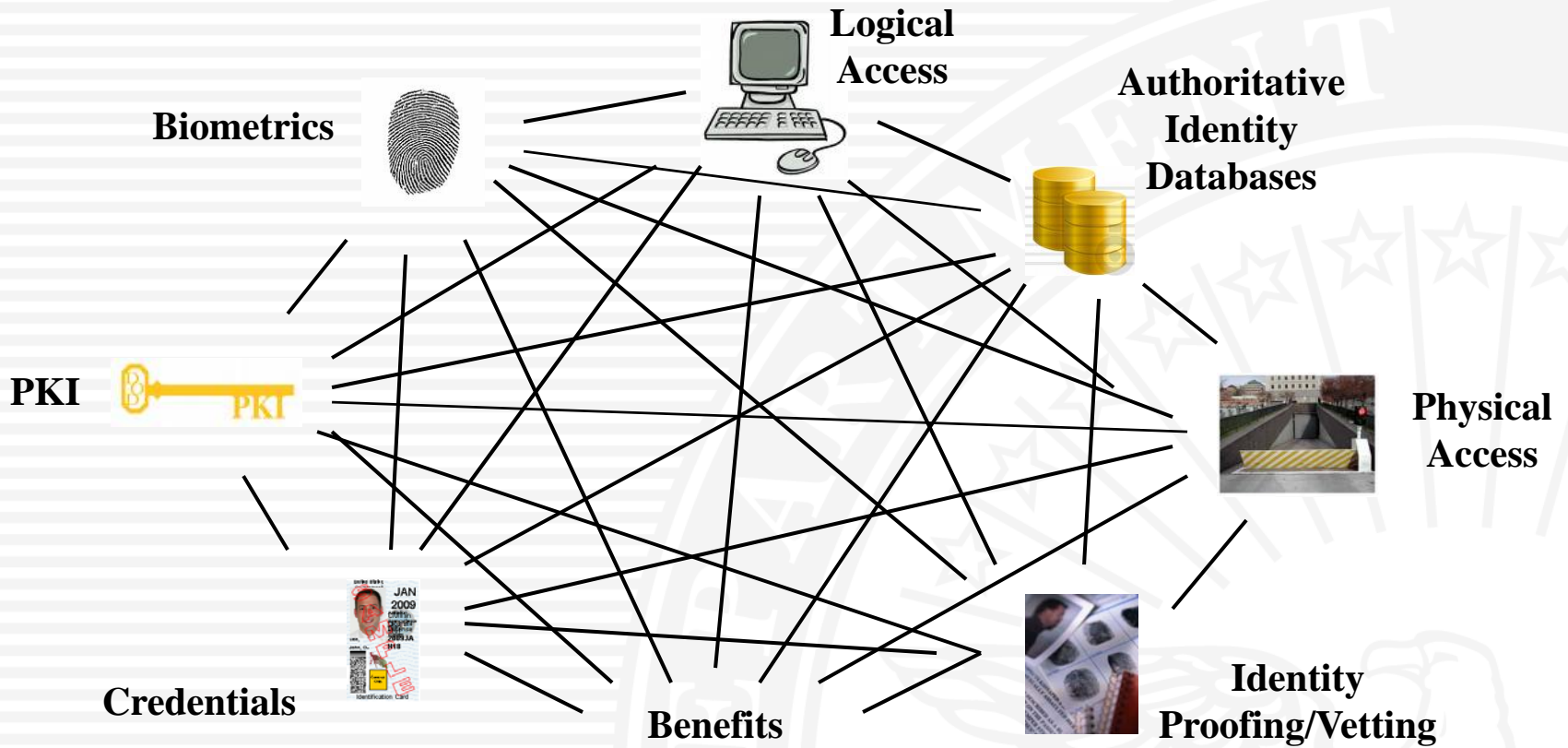
Benefits

**Network
Security**

**Physical
Security**

Silos of Excellence

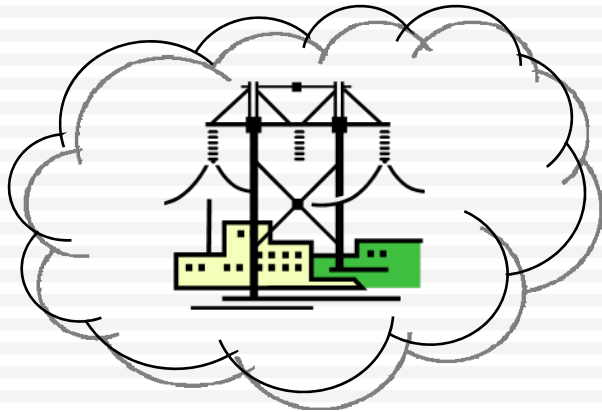
New Think – The Age of Services



Collect Once – Use Many Times

Electric Analogy

UTILITY BACKBONE



Power Grid

- Internally designed, managed
- Exists to serve end-users
- Standards-based interoperability across disparate jurisdictions, ownership



END-USER

Applications,
chosen and
managed by end-
user



User Interface

- Has *standardized* physical *and* logical design characteristics to permit apps to interface with servicing utility



*Thanks to Bill
Gravell for use of
this slide

Identity Management

What Does It Take in New Think

Will only get more complicated

Information Sharing - Critical

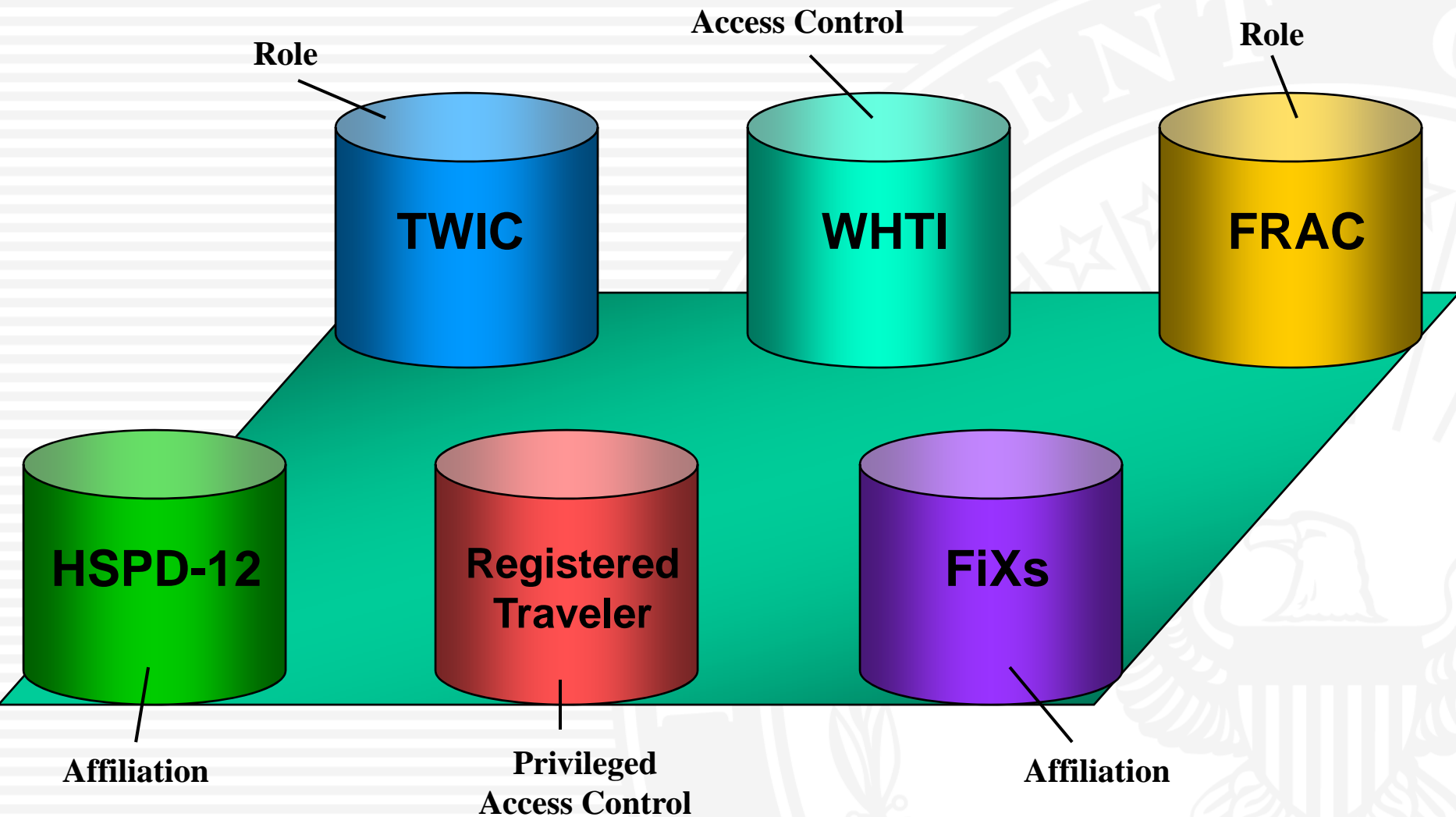
Interoperability

Performance

Trust

Federation

Building on a Strong Foundation



Roles/Attributes/Identity

Are they the same?

Do they each require own credential/certificate?

Do they Change?

Can a person/identity have more than one?

Is identity necessary?

Is identity sufficient?

The Big(gest) Picture

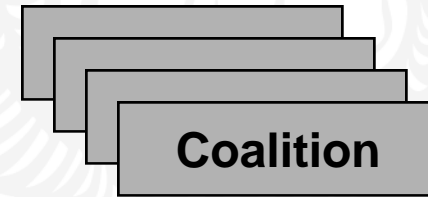
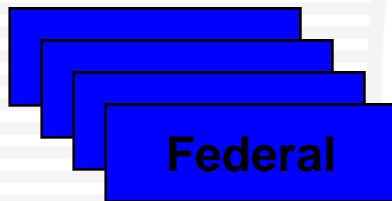
Applications



Information-Sharing



Root ID



Federation

- FIPS 201
- Certificate Policy/Practice statements
- Operating Rules
- Minimum Adjudication Standards

IT'S ALL ABOUT TRUST!



Authentication vs. Authorization

- **Business Need**
- **Trust Relationship**
- **Authenticate**
- **Authorization/Access Decision**
 - Can they have access?
 - Can they use their credential?
 - What about roles and attributes?



Totally Authenticated World

**If we issue strong credentials
Based on strong vetting**

AND

Electronically authenticate every use

**Significantly reduce risk from
Identity Theft**

The Next Leap Forward

Collaborate

Federate

Integrate

The GOAL:

World Class Integrated Identity
Management

Meeting our Real Objectives

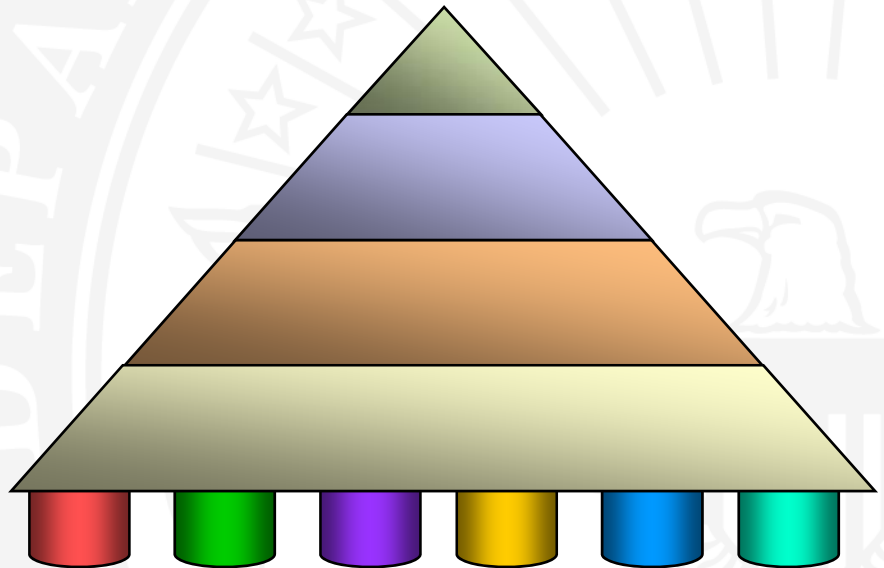
Facilitate our ability to share information

Improve security of our homeland

Improve security of our people overseas

Improve security of our networks

All the while, ensuring the privacy of our people



Does It Really Work?

FCW.COM STORY

CAC use nearly halves DOD network intrusions, Croom says

BY [Bob Brewin](#)
Published on Jan. 25, 2007

COLORADO SPRINGS, Colo. -- Although there are 6 million probes of Defense Department networks a day, successful intrusions have declined 46 percent in the past year because of a requirement that all DOD personnel log on to unclassified networks using

Related Links

[DOD battles increasingly virulent cyberattacks](#)

[DOD battles spear phishing](#)

Logical Access Results

- Successful intrusions decreased 46% in first year



Physical Access Results

- Across 159 locations, average:
 - 7.8 million entries per month
 - 76 thousand denied accesses per month



Mary Dixon

Director, Defense Manpower Data Center

For more information:

www.cac.mil

www.dmdc.osd.mil/smartcard