

A composite image of the solar system. On the left, a portion of Earth is visible with a satellite in orbit. In the center, the Moon orbits Earth. To the right, Mars and Jupiter are shown. A comet streaks across the sky, and a galaxy is visible in the background.

ARC Outreach on HSPD 12 and Mandatory Use of ODIN

August 28 & 29, 2007



Agenda

- Center Management Opening Remarks
- CIO Perspective
- Homeland Security Presidential Directive (HSPD) 12
 - Questions & Answers
- Mandatory Use of ODIN
 - Mission Focus Review (MFR) Decisions
 - Questions & Answers

Strategic Overview-Why

- NASA spends a lot of money on IT (\$2.2 Billion). We need to be more efficient with our IT investments.
- Proliferation of tools and lack of standards to enable integration
 - Its difficult to work seamlessly across Center boundaries
- Lack of credibility in IT Security

Benefits

- Efficiency – eliminate unnecessary duplication, reduction of IT Security Certification and Accreditation (C&A) costs
- Economies of Scale
- Visibility into Total Cost of Ownership (TCO)
- Improved Security
- Interoperability
 - Ability to work seamlessly across NASA
- Alignment with Directives

Homeland Security Presidential Directive (HSPD) -12

Background

- President signs Homeland Security Presidential Directive (HSPD-12) in **August 2004**
 - **Government-wide standard for Identification**
 - NIST assigned to develop the standard
 - OMB assigned to implement the standard
- OMB issues implementation guidance **August 2005**
- Current Standard for ID (FIPS 201) issued **March 2006**
- OMB implementation guidance:
 - Rebadge by **October 2007**
 - Use PIV badge with all computer systems by **October 2010**
- Emphasis right now is on rebadging
 - Approximately 4000 people at Ames
- After rebadging (**2008-2010**) emphasis will shift to expanded use of the new badge
 - Can't use the badge unless you have one
 - Focus through 2010 will be on using badge for computer system access
- We know there are a lot of questions about HSPD-12
 - In on-going dialog with the Ames Union and the Ames Contractor Council
 - After we go over the material, we will open it up for 15-20 minutes to you can ask questions
 - SME's here (HR, legal, Acquisitions, Facility Access, PSO., Legal, Tech. Devl. team)
 - The scope is broad and all the implementation decision have not been made -- we'll do our best to answer

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Homeland Security Presidential Directive 12 (HSPD-12)

simple, smart, secure

New to NASA
A federal government-wide, common identification badge for employees and contractors
<http://hspd12.nasa.gov/>



Use it for

- Visual Identification
- Computer Access
- Building Access

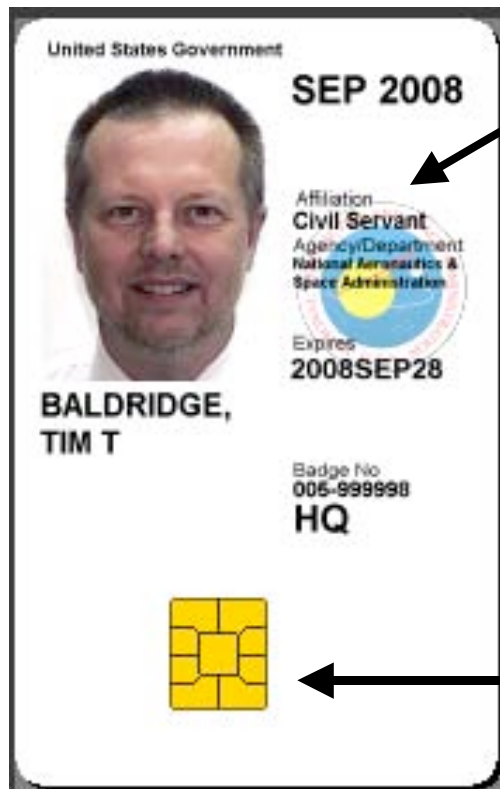
do YOU have YOURS?

www.nasa.gov

- HSPD-12 mandates a **government-wide standard** for secure and reliable forms of **identification** for **Agency and contractor employees** used for access to **Federal facilities and information systems**.
- **What it Means to Us:**
 - New badges will be issued that will have the following **advantages**:
 - **Minimizes** the number of **passwords** to remember (Note: This is a **future capability** within approximately two years) which requires other information systems infrastructure to be implemented);
 - **Reduces the risk of identity theft** by increasing protection of personal privacy; and
 - **Interoperability** across the Agency for access to facilities and information systems.

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What's on the Badge



Civil Servant
Configuration

Printed on Front:

1. Name
2. Badge number
3. Affiliation
4. Expiration date
5. Center

Printed on back:

1. Height
2. Hair color
3. Eye color

Embedded Computer Chip Containing:

1. Badge holder Card Holder Unique Identification (CHUID) number
2. User PIN
3. PKI certificate
4. Biometric identification (fingerprint minutia)

HSPD-12: Key Dates

2007

- July – Begin enrollment for new badges
- August – Begin quantity issuance of new badges
- September – Use badge for access to all applications and systems (physical access) categorized as “High,” per FIPS 199
- October – Complete background investigation process for civil service and contractor employees

2008

- April – Begin to equip all desktop computers with card readers and middleware
- September – Use badge to access all moderate applications

2010

- September – Use badge for all applications/ systems

Steps to Getting a New Badge

- **Step 1: Background Investigation (BI)**
 - Civil Servants have BI when hired
 - Old BI being used for badge issuance purposes
 - New requirement for period reinvestigation
 - Civil Servants with BIs older than 10 years to be reinvestigated...starting soon
 - Contractors undergoing BI process now
 - All contractors have, at this point, been invited by Personnel Security office to submit information to OPM e-QIP
 - Once e-QIP filled out, meeting with Personnel Security Specialist at Bldg 566 to obtain signed forms and complete final review before submission to OPM
 - Fingerprints must also be submitted as part of BI process

Steps to Getting a New Badge

(continued)

- **Step 2: Personal Identity Verification (PIV) Enrollment**
 - Everyone who will receive a NASA PIV-2 badge must go through enrollment
 - Practice and training taking place now
 - Code JP and JT serving as “guinea pigs”
 - You will receive an e-mail asking you to schedule an appointment via a web-based scheduling tool
 - You will have a limited time window to complete your appointment, which will be at Bldg 566
 - The e-mail will also tell you what forms of identification must be brought with you to the appointment
 - Two forms of “I-9” identity documents are required
 - PIV Enrollment includes:
 - Digital photo
 - Digital fingerprints
 - Digital signature
 - Scanning of two forms of I-9 identity documents
 - Expect 30 minutes WWW.NASAWATCH.COM
 - Hoping that practice will speed this up

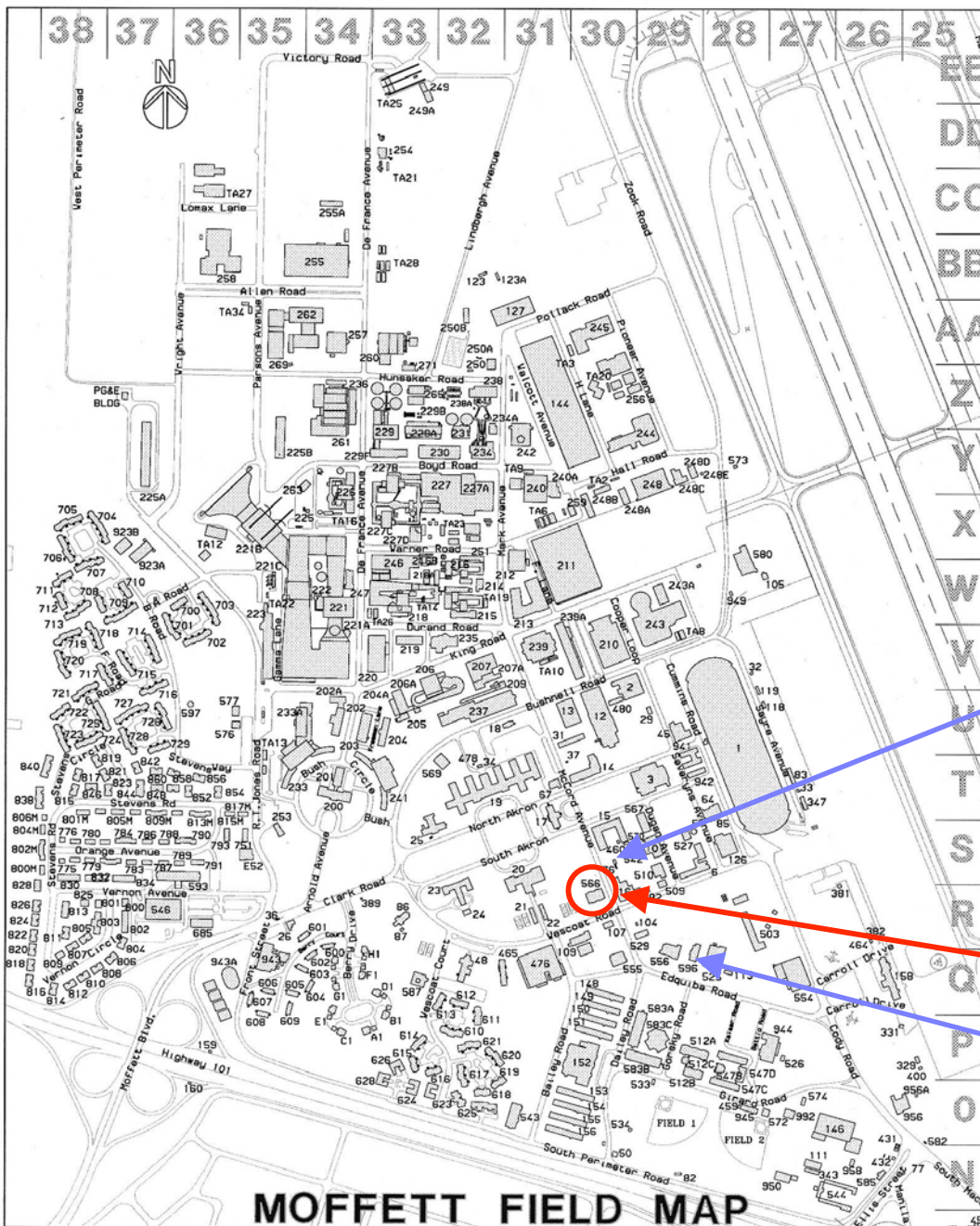
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Steps to Getting a New Badge

(continued)

■ Step 3: Badge Issuance

- Everyone who will receive a NASA PIV-2 badge must go through badge issuance
- Agency still in testing of final badge to ensure it meets specifications
- You will receive another e-mail asking you to schedule an appointment via a web-based scheduling tool
 - You will have a limited time window to complete your appointment, which will also be at Bldg 566
 - Badge issuance includes:
 - Encoding of badge
 - Single finger flat fingerprint **check**
 - Selection of a Personal Identification Number (PIN)
 - Do not yet know how long this process will take
 - Should be much quicker than PIV enrollment



Locksmith Shop

Bldg 566

McDonalds

Very Important

- The Center has a limited time window for re-badging due to the near-term OMB deadline and high resource requirements for the effort
 - There will not be time to make two passes at enrollment and badge issuance
- Once notified to do so:
 - Make your appointment
 - Keep your appointment
 -Unless you have a legitimate reason
- Your cooperation and promptness will be appreciated!

Important Web Sites & Contact Information

- For more information, visit:

<http://hspd12.arc.nasa.gov/>

<http://cio.arc.nasa.gov/index.htm>

- If you have any questions, email:

archspd12@mail.arc.nasa.gov

Questions & Answers

**Relax. . .
Take a deep
breath**



Outsourcing Desktop Initiative for NASA (ODIN) Mission Focus Review (MFR) Decisions

Mandatory Use of ODIN

- The agency Strategic Management Council (SMC) has approved two Mission Focus Reviews (MFR)s related to ODIN
- The SMC decision includes:
 - **MFR#7** - Consolidate all cellular services (pagers, cell phones, smartphones/PDAs, and cellular Internet) under ODIN
 - **MFR#137** - Consolidate all laptop/desktop/workstation procurement and support under ODIN
- **Why?**
 - Improved visibility and management of IT resources
 - Improved configuration management and IT security
 - Alignment with federal directives (OMB, Executive Orders)
 - Improved cost performance for procuring and supporting IT resources

Benchmarking

- GRC migrated to ODIN in 2000
- ODIN Support includes desktops and workstations, cell phones, and other Communications services
- About 95% of GRC is currently supported by ODIN
- Cost for ODIN has generally decreased
 - Except for a two years when large network infrastructure upgrades occurred
 - FY05-FY07 - overall cost decrease and per seat cost decrease
 - Cost savings are achieved without incorporating inflation

Scope & Status of MFR#7

Scope of MFR#7

- Pagers
- Cell phones
- All Smartphones/communicating PDAs such as Blackberrys, Treos, iPhones, Windows Mobile devices, etc.
 - The Agency does not currently approve the purchase or support of iPhones
 - Agency Guidance document is pending
- All cell phone services (voice, data, etc.)

Status of MFR#7

- ~90% of the center already is using ODIN for these services
- Identify & Migrate non-ODIN users
- Centerwide message
- ARC ODIN will be adding new cell phone providers

Scope of MFR#137

- All desktops, laptops and workstations
 - Includes both General Purpose and Scientific & Engineering systems (Windows, Mac, and Unix/Linux)
 - Exception only by written, approved, and reported waiver
- All civil servants and on/near-site contractors that require access to the NASA network
- Does **not** include:
 - Embedded processors (e.g. flight and ground support equipment)
 - Lab equipment (e.g. laser equipment, oscilloscopes)
 - Servers: web, database, clusters (dedicated servers)
 - Deep Space Network

Status of MFR#137

- Mainly administrative systems (about 1/3 of users)
- Augmenting ODIN capabilities
- Getting the word out
 - Briefed CIO Council
 - Meetings with Union
 - Meetings with Procurement
 - Started organization specific discussions
- Assessing center's readiness for transition - ODIN ORR
- Reviewing Ames business model approach to ODIN
- Very high-level DRAFT Transition Plan submitted to HQ on 8/22
- Met with Lockheed Martin IT Vice President on 8/23
- Planning outreach and training program

Key ODIN Dates

MFR#7 (pagers, cell phones, Smartphones/PDAs, and cellular services)

- **Effective Immediately** - Purchase cards may no longer be used to procure the **MFR#7** items except through ODIN
 - I-Phones Guidance: Until I-Phones are supported and covered by a security plan, they are prohibited for purchase for Government business. (Agency Guidance document is pending)
- **Not later than September 30, 2007**
 - Identify remaining 10% of people needing to migrate **MFR#7** items to ODIN
 - Contracts will no longer be used to procure the **MFR#7** items except through ODIN
- **Not later than January 31, 2008**
 - Migrate remaining 10% **MFR#7** non-ODIN users

MFR#137 (desktops, laptops, workstations & support for these systems)

- **Effective Immediately**
 - Orders for **administrative desktop systems** going through Serv-I will be screened and re-directed to ODIN
 - Orders for LINUX/UNIX systems are business as usual until further notice
- **Not later than October 31, 2007** - Identify non-ODIN users and schedule ODIN ORR
- **NLT February 2009:** Target completion for ODIN transition

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WWW.NASAWATCH.COM

ODIN Transition Team

- Established ODIN Transition Planning & Implementation Team
- Membership:
 - ODIN DO-COTR/COTR*, Susan Parkhurst
 - Alternate ODIN DO-COTR/COTR - TBD
 - CO, Veronica Llamas
 - Ed Sheffner
 - Annett Randall
 - Jason Duley
 - Matt Linton
 - Kevin Jones

* *Delivery Order - Contracting Officer Technical Representative (DO-COTR)*

ODIN Transition Strategy

- Identify contract issues/dates
- Collaborate with other Centers
- Education & Outreach Program
 - BOFs, Training of ODIN POCs, & End-user training
 - Floater Dedicated System Administrator (DSA)
 - Continue to identify Center customer concerns/issues
- Work with organization ODIN POCs & Lockheed Martin to ensure they are ready to respond to the increased usage of ODIN
- Develop a phased schedule approach

References & Contact Information

- For more information, visit
<http://www.odin.lmit.com/arc>
<http://cio.arc.nasa.gov/index.htm>
- If you have any questions, email:

odinprojectoffice@mail.arc.nasa.gov

Take-Away's

- HSPD-12, NOMAD, and ODIN are top priorities
- What you can do:
 - Review X.500 information and make any necessary corrections at <https://arcapps.arc.nasa.gov/>

Questions & Answers