



SECURITY DISCUSSION

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OVERVIEW

- Directives
- Potentials
- Relevance
- Discussion



Directives

- **OMB Memorandum, Protection Of Sensitive Agency Information, June 23, 2006...**
 - **Allow Remote Access Only With Two-factor Authentication Where One Of The Factors Is Provided By A Device Separate From The Computer Gaining Access.**
- **Deputy Attorney General Memorandum; Feb. 15, 2007...**
 - **Submit Plan By April 30, 2007 To Bring Remote Access Into Compliance With Department Policies By October 1, 2007.**
 - **The Plan Must Address: Use Of Two-factor Authentication.**
- **FBI Response:**
 - **Layered Authentication Using Two Or More Authenticators To Establish The Identity Of Sender & Receiver Of Information.**



Potentials

- **Direct Users are Vetted via CJIS Identity and Authentication process**
 - **Factors based on information access requirement and home agency**
- **Federated Users are Asserted via Trust Relationships**
 - **Trust relationship parameters based on SLA**



Relevance

- **Device Protection**
 - **Authentication to Device**
 - **Data Encryption**
- **User & Device Authentication**
 - **Two-Factor Authentication to Agency**
- **Transmission Protection**
 - **Wireless Encryption**
 - **NIST SP 800-48**
- **Risk Mitigation**
 - **Security-in-Depth**



Open Discussion



- **Technologies**
- **Trends**
- **Economics**
- **??????**



Questions



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BACKUP SLIDE

- **Authentication Factors**
 - **Something You Know:** Username/Password,
 - **Something You Have:** Hard Token, Soft Token, Common Access Card.
 - **Something You Are:** Fingerprints, Retinal Scan, Voice Pattern.
 - **Something You Do:** Dynamic Biometrics, E.G. Writing Signature, Keystroke Rhythm, Use Patterns.