



SecurityManager™

**A Control Measures Automation System for FIPS 201
And
Process, Case and Record Management of Enterprise
PerSec
InfoSec
FNV**

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What is SecurityManager ?

- **Enterprise solution originally developed as MAPS for DoC to manage for all employees, contractors, committee, FNV, etc:**
 - All PerSec cases and records
 - All FNV cases and records
 - All classified documents, containers, rooms and facility security records including inspections
- **Secure internet accessible via browser with:**
 - Role and organization based privileges
 - Centralized database and records
 - Auditable records of all cases, actions and imports/exports
- **MAPS implemented at DoC in January 2005 and currently operational**
- **Now being enhanced by Centech Group under IR&D as SecurityManager to meet requirements for process control and accountability imposed by FIPS 201**

Enterprise Elements of Credentialing

Sponsor:
Initiates Action



- Employment
- Contractor
- Long Term Visitor (FNV)
- Other

Action requested



Personnel Security:
Performs Review

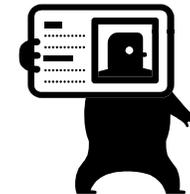
- Pre-Appointment
- Suitability
- Clearance
- Other

Leads to

Credential Eligibility
Approved



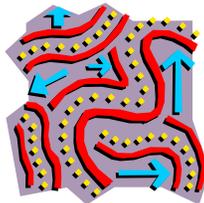
Credentialing
Process



- PIV Card created and issued

Process continues beyond PIV Card creation

Credential
Management



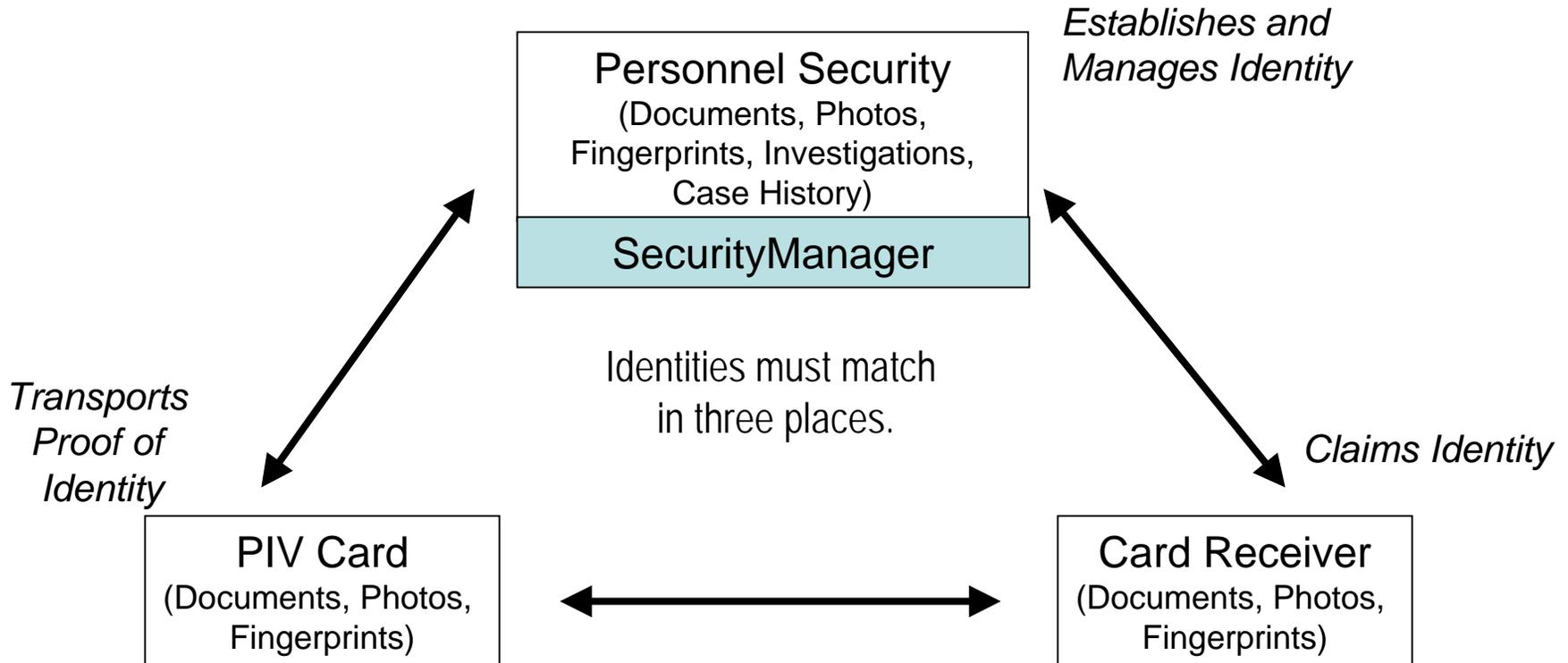
- Re-issuance
- Replacement
- Rescind/Suspend
- Other

SecurityManager maintains control of all these elements.

How Does SecurityManager Fit within FIPS 201

- **Master repository for all personnel records including identity records**
- **Provides in-process visibility of where a person's case stands and includes notifications if processing target times are exceeded**
- **Auditable records of all PerSec and Credentialing cases, actions, steps and performer**
- **Authorizes and provides identity information for use in PIV cards**
- **Collects and maintains records of credential creation and delivery**
- **Provides non proprietary electronic interface with other systems, e.g. badging systems and master LDAP directory**
- **Maintains record of all interrelated cases, e.g. suitability case to credentialing case**
- **Auto initiates required notifications and creates cases for re-investigation and re-credentialing per business rules**

Maintaining Identity



FIPS 201 forces all three to synchronize in a provable manner.

SecurityManager provides the system to synchronize these pieces.

Roles & Responsibilities

Trusted Staff	Personnel Security	Badging System	Issuer
<div data-bbox="123 315 426 508" style="border: 1px solid black; padding: 10px; text-align: center;"> <p>Identity Information Capture</p> </div> <ul style="list-style-type: none"> • Data • Photo • Biometrics <p>New Responsibilities:</p> <ul style="list-style-type: none"> • More complete identity data collection • New business rules on identity capture • Forwarded to Personnel Security for deposit in master security file 	<div data-bbox="536 315 839 508" style="border: 1px solid black; padding: 10px; text-align: center;"> <p>Process Case</p> </div> <ul style="list-style-type: none"> • Investigation • Adjudication • Control & Management • Accountability • Identity Records <p>New or enhanced Responsibilities:</p> <ul style="list-style-type: none"> • Badge Content • Enhanced Identity Records • Authorization & Accountability for Credentialing 	<div data-bbox="982 315 1285 508" style="border: 1px solid black; padding: 10px; text-align: center;"> <p>Credential Production</p> </div> <ul style="list-style-type: none"> • Identity transfer to PIV Card • Enforce security thru PKI <p>New Responsibilities:</p> <ul style="list-style-type: none"> • Badge content must match PerSec identity records • Must be authorized by PerSec • Activity record passed to PerSec for accountability 	<div data-bbox="1428 315 1730 508" style="border: 1px solid black; padding: 10px; text-align: center;"> <p>Credential Distribution</p> </div> <ul style="list-style-type: none"> • identity Confirmation • Deliver credential <p>New Responsibilities:</p> <ul style="list-style-type: none"> • Badge cannot be issued without verification that receiver is the same person whose identity is on card. • Activity record passed to PerSec for accountability
<p>Trusted but not authorizing</p>	<p>Authorizing Personnel</p>	<p>Trusted but not authorizing</p>	<p>Trusted but not authorizing</p>

SecurityManager enforces responsibility across all roles.

Example FIPS 201 Related Features of Security Manager

- **Identity information storage**
 - Data, photos, biometrics
 - Images of identity source and related documents
 - Person capturing the information
- **Identity information exchange with interfacing systems**
 - Remote capture and transfer of identity info to SecurityManager
 - Transfer from SecurityManager to interfacing systems
 - Identity validation
- **Credentialing process management**
 - Auditable record of all steps, actions and decisions
 - Compliance with FIPS 201 requirements
 - Issuance of authorization to credential with identity information
 - Acceptance of credential generation and delivery information
- **Integration and easy access of identity records from cases and person records**

Example Cases Included in SecurityManager

- **Existing**
 - Pre-Appointment
 - Suitability
 - Security Clearance
 - Special Access Clearance
 - Suspension/Downgrade/Denial/Revocation
 - Termination
 - Re-Investigation
 - Security Re-Briefing
 - Incoming Classified Visit
 - Outgoing Classified Visit
 - FNV Visit
- **New for FIPS 201 (under development)**
 - New Credential
 - Revoke Credential
 - Replacement/Re-Issue Credential
 - Revision to existing cases to integrate related processes

Status of SecurityManager

- **Fundamental PerSec, InfoSec and FNV modules in place and operational**
- **New FIPS 201 related functionality now under development**
 - **Demonstration of features my mid July, 2005**
 - **Operational by end of August, 2005**
- **Agency specific related activities**
 - **Special or modification of business rules**
 - **Special reporting**
 - **Import of existing data and case records**

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