

FIPS 201-2 Workshop

NIST PIV Team

**National Institute of Standards and Technology
US Department of Commerce**

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PIV CARD ISSUANCE AND MAINTENANCE



2 PIV Card Lifecycle Management

- The PIV PKI credentials are valid for 3 years, PIV Card may be valid for 5 years, thus agencies have to go through re-key process during the card life. This primarily requires in-person visit to get their cards updated.
- A significant cost is incurred attributed to lost productivity of the employee and the labor usually required in performing in-person registration.
- Maintaining an expiration date for a re-issued card is a problem. If someone loses a card or it goes bad within 6 months of the expiration, that person gets a replacement card for 6 months and another card through renewal process.



2 PIV Card Lifecycle Management

- Synchronize lifecycle of card, certificates, and biometric data
 - Keep maximum life of certs at three years
 - Extend maximum life of PIV Card to six years
 - Allow every issued card to have maximum life
 - Allow biometric data to be used for twelve years
 - Allow remote updates if printing doesn't change

PIV Card Processes

- Changes in PIV Card Issuance requirements
 - Biometrics used to personalize PIV Card are taken from the card issuer's chain-of-trust.
 - Issuer performs 1:1 biometric match of the applicant against the biometric included in the PIV Card.
- Recognition of PIV Cards issued under Pseudonyms
- Provide requirements for PIV Cards issued within Grace Period

PIV Card Processes (cont'd)

- Expiration date can be extended to a maximum of 6 years for PIV Card reissuance under specific circumstances.
 - Proper authority has authorized reissuance
 - NACI check is followed in accordance with OPM guidance
 - Biometrics will be within 12 years of its collection for the life of the card
- Also added:
 - Special Rule for Name Change by Cardholder
 - PIV Card Re-key requirement
 - PIV Post Issuance Update requirements
 - PIV Card Verification Data Reset

Key Improvements

- Reduce number of in-person visits
 - Maximum six year card, each production
 - One visit possible for renewal & reissuance
 - Biometric data is good for twelve years
 - Allow remote post-issuance updates
- Nominal time between in-person visits
 - FIPS 201-1: 2.5 years
 - Draft FIPS 201-2: 4 years

Summary

FIPS 201-2 Card Processes and Their Requirements

| | Issuance | | Maintenance | | | | Re-Key | Post Issuance Updates |
|---------------------------------------|---------------|-------------------|-------------------|------------------------------------|------------------------------------|-----------|------------------------------|-----------------------|
| | Issuance | Renewal | | Reissuance | | | | |
| | | Data Change | No Data Change | Data Change | No Data Change | | | |
| Sponsor Approval | • | • | • | • (if expiration date is extended) | • (if expiration date is extended) | | | |
| Identity Proofing | • | | | | | | | |
| Biometric Collection | • | Good for 12 years | Good for 12 years | Good for 12 years | Good for 12 years | | | |
| Enroll in Chain-of-trust | • | Record change | | Record change | | | | |
| NCHC | • | | | | | | | |
| NACI | • | • | • | • (if expiration date is extended) | • (if expiration date is extended) | | | |
| Chain-of-trust verification (CV) | • | • | • | • | • | | • (if biometric data change) | |
| Valid PIV Card in Possession | | • | • | • (unless lost/stolen) | | • | • | |
| New Physical Card issued (new FASC-N) | • | • | • | • | • | | | |
| Re-enrollment if CV not available | | • | • | • | • | | | |
| Expiration Date | Maximum 6 yrs | Maximum 6 yrs | Maximum 6 yrs | Maximum 6 yrs | Maximum 6 yrs | No Change | No Change | |