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
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.
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
# FIPS 201-2 Card Processes and Their Requirements

<table>
<thead>
<tr>
<th>Process</th>
<th>Issuance</th>
<th>Maintenance</th>
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<tbody>
<tr>
<td><strong>Sponsor Approval</strong></td>
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<td><strong>Identity Proofing</strong></td>
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<tr>
<td><strong>Biometric Collection</strong></td>
<td>•</td>
<td>Good for 12 years</td>
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<tr>
<td><strong>Enroll in Chain-of-trust</strong></td>
<td>•</td>
<td>Record change</td>
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<td><strong>NCHC</strong></td>
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<td><strong>NACI</strong></td>
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<tr>
<td><strong>Chain-of-trust verification (CV)</strong></td>
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<tr>
<td><strong>Valid PIV Card in Possession</strong></td>
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<td><strong>New Physical Card issued (new FASC-N)</strong></td>
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<tr>
<td><strong>Re-enrollment if CV not available</strong></td>
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<td>•</td>
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<tr>
<td><strong>Expiration Date</strong></td>
<td>Maximum 6 yrs</td>
<td>Maximum 6 yrs</td>
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