Biometric Data Specification on PIV Card

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Biometric Data on PIV Card

Type of Data	When Captured/ Location	Purpose
Ten slap (flat) fingerprints	PIV Registration	Law Enforcement Check
The two Index finger prints	Card Personalization	Automated Identity Verification
Facial Image	Card Personalization	Manual Identity Verification

Data Quality Requirements – Ten Fingerprints

Characteristic	Standard/Metric
Four Left-Hand Fingers Four Right-Hand Fingers Two Thumbs	Codes 13,14 & 15 of ANSI/NIST ITL-1-2000,CJIS-RS-0010
Resolution	500 +- 5 ppi
Pixel Depth	256 Grayscale levels(8bits)
Compression Algorithm	WSQ
Specification of Image Quality	NFIQ Level (NISTIR 7151)

Data Quality Requirements –Two Index Fingers

Characteristic	Standard/Metric
Two Index Fingers	ANSI/INCITS 381-2004
Interchange Format	CBEFF (NISTIR 6529)
Resolution	500 +- 5 ppi
Pixel Depth	256 Grayscale levels (8 bits)
Compression Algorithm	WSQ
Specification of Image Quality	NFIQ Level (NISTIR 7151)

Data Quality Requirements –Facial Image

Characteristic	Standard/Metric
Token Image	ANSI/INCITS 385-2004
Encoding	YUV 422
Image Width/Height	480 by 640 pixels
Inner Region Width/Height	384 by 480 pixels
Resolution	Eye-to-Eye 120 Pixels
Compression Algorithm	Baseline JPEG with 30:1 Ratio