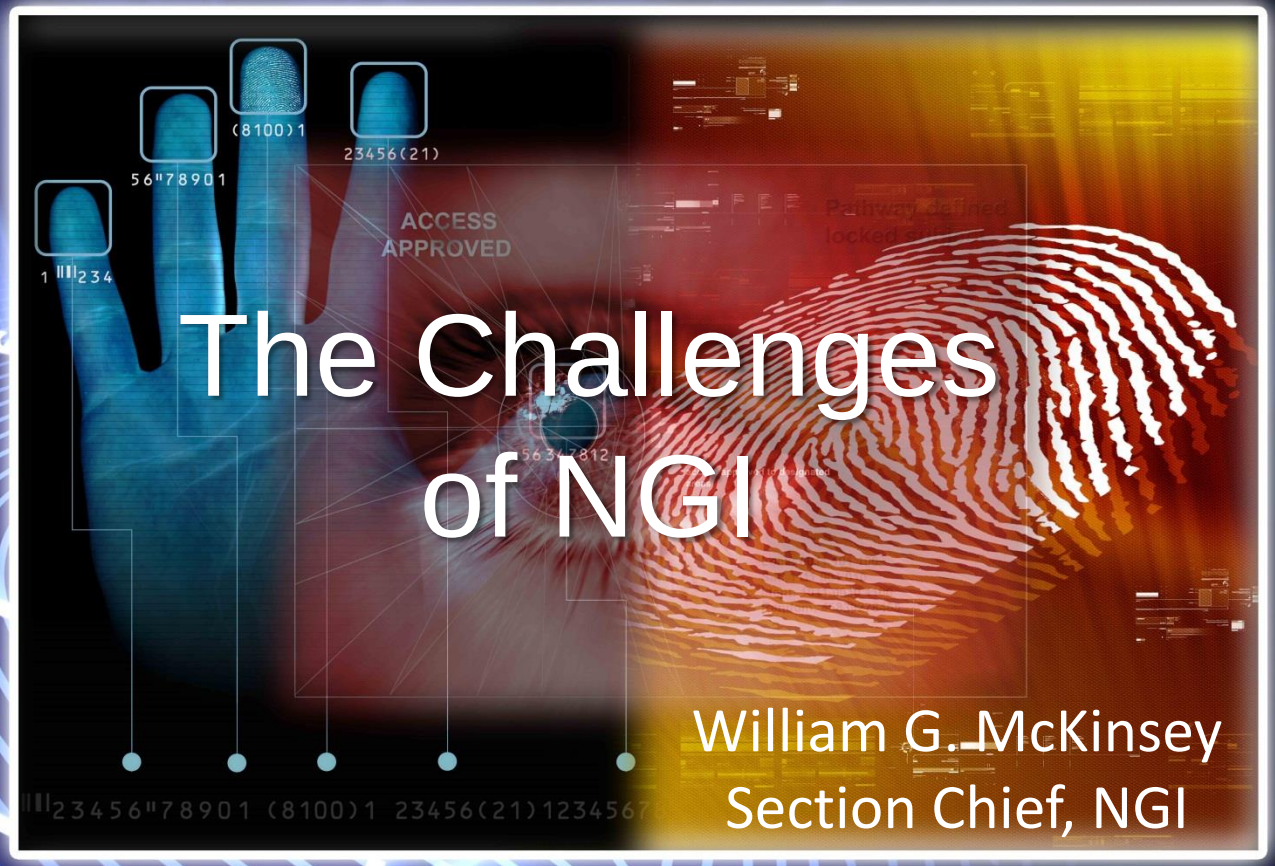
Next Generation Identification

Implementing the future of identification & investigative services

- Fingerprints
- RISC
- Palms & Latents
- Rap Back
- Scars/Marks & Tattoos
- Facial
- Iris



The Challenges of NGI

William G. McKinsey
Section Chief, NGI

WHERE WE'VE BEEN – WHERE WE ARE
WHERE WE'RE GOING

BIOMETRIC TECHNOLOGY

THE FIRST BIOMETRICS
AROUND 1870 FRENCH ANTHROPOLOGIST ALPHONSE BERTILLON DEVISED A SYSTEM TO MEASURE AND RECORD CERTAIN BONY PARTS OF THE BODY.

FINGERPRINT CARD SORTING MACHINE

THE FBI'S IDENTIFICATION DIVISION IS FORMED IN 1924

FINGERPRINT CARD CLASSIFICATION

FINGERPRINT PROCESSING SUPERDOME

FINGERPRINT IMAGE COMPARISON (FIC)

IN 1999 THE INTEGRATED AUTOMATED FINGERPRINT IDENTIFICATION SYSTEM (IAFIS) BECOMES OPERATIONAL PROVIDING THE FBI WITH AN ELECTRONIC ENVIRONMENT FOR FINGERPRINT PROCESSING.

FIC WORKSTATIONS

FINGERPRINT FILES

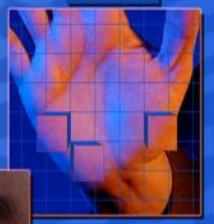
THE QUICK CAPTURE PLATFORM (QCP) PROVIDES FINGERPRINTING SERVICES VIA SATELLITE UPLINK IN HOSTILE AREAS.

QCP IN THE FIELD

FACIAL RECOGNITION

THE FUTURE....TODAY

PALM PRINTS



EYE SCANNING

ROLLING THE WRITERS RIDGE PRINT

REMOTE FINGERPRINTING

WHERE WE'VE BEEN • WHERE WE ARE • WHERE WE'RE GOING

NEXT GENERATION IDENTIFICATION

Implementing the future of identification & investigative services

Next Generation Identification (NGI)

NGI

- Improved Performance
  - More Efficient, More Effective, More Accurate, More Available
- Highly Scalable
- New Modalities
  - Palms & Latents
  - Scars, Marks, & Tattoos
  - Facial Recognition
  - Iris
- New Services
  - RISC
  - Rap Back

- **The design of the future…**

Challenges Of NGI

- ConOps and Requirements
- Trade Studies
- Source Selection
- Incremental Design
- Project Management
- TV&V
- Privacy
- Deployment

Questions / Comments

Federal Bureau of Investigation

Criminal Justice Information Services Division

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NGI Web Page: http://www.fbi.gov/hq/cjisd/ngi.htm

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