Federal Bureau of Investigation
Criminal Justice Information Services Division
Identification & Investigative Services Section
Next Generation IAFIS Program Office

April 2005

Briefing Summary

- Background
- NGI Initiatives
- Study Approach
- Development Strategy

IAFIS – Implemented July 1999

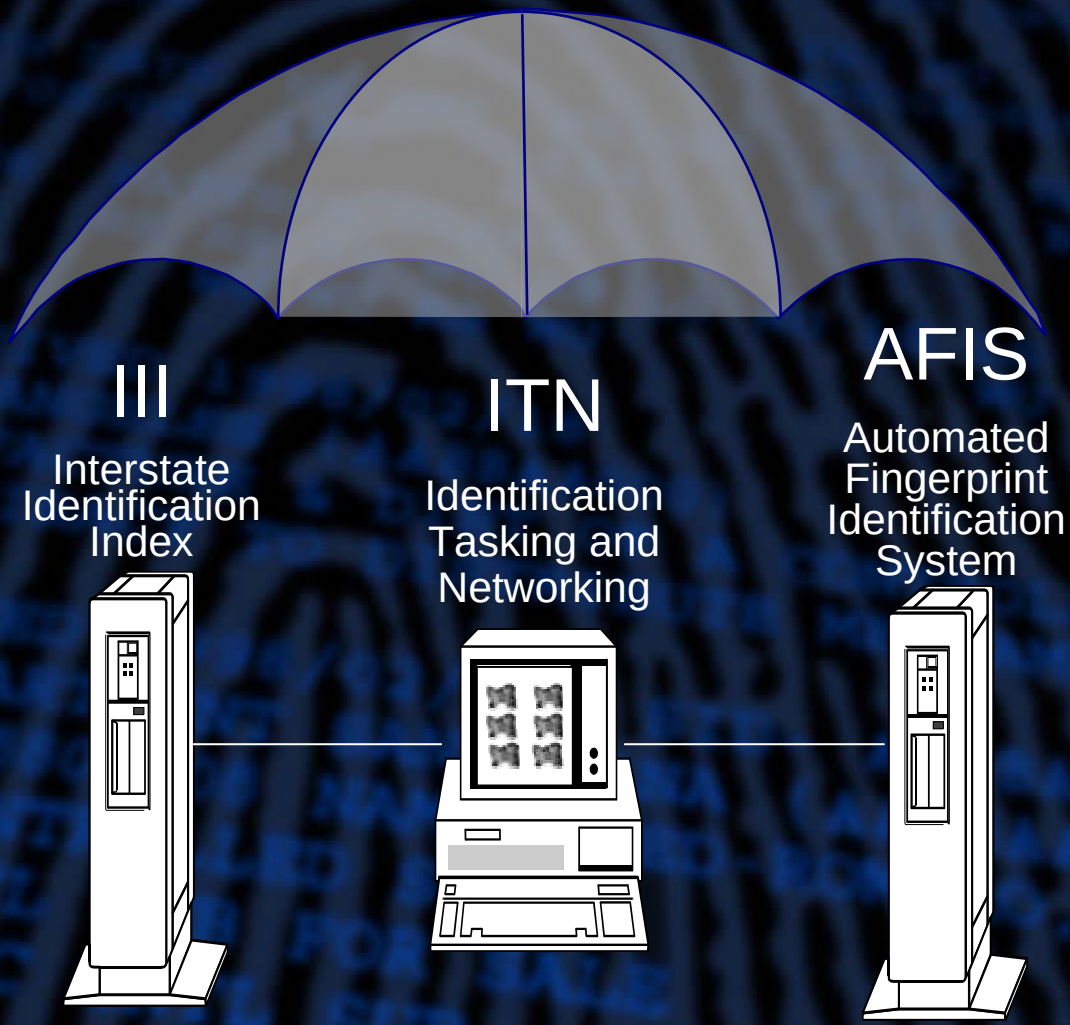
***I**ntegrated*

***A**utomated*

***F**ingerprint*

***I**dentification*

***S**ystem*



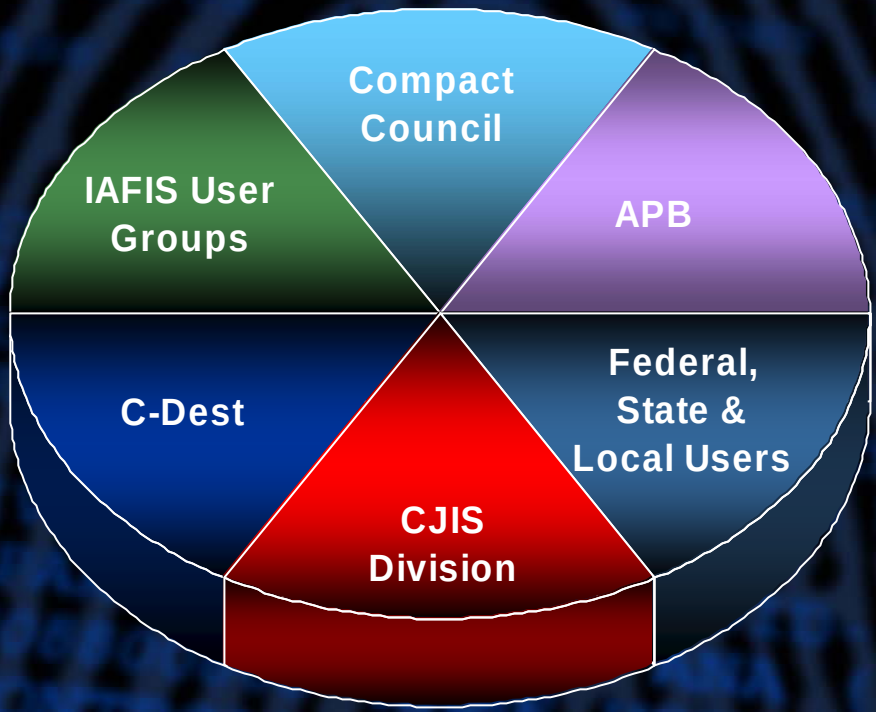
IAFIS Success

- Average Monthly Transaction Volume
  - 1.5 Million
- Database Additions
  - Increases by Approximately 6,000 Per Day
- Record High Completions
  - 83,979 Transactions within 24 Hours
- Response Time
  - Criminal (2 hours or less)
  - Civil (24 hours or less)

IAFIS Technology

- Implemented July 1999
- 12-year old design decisions
- Changing business needs

New Vision for Next Generation IAFIS (NGI)



NGI Initiatives

- QC Automation
- Interstate Photo System (Mugshots)
- Disposition Reporting Improvements
- Advanced Fingerprint Identification Technology
  - Enhanced Terrorist Identification Service (ETIS)
- Enhanced IAFIS Repository
  - Rap Back
- National Palm Print System (NPPS)

Quality Check Automation

- Functionality
  - Automate Manual QC Processes
- Benefits
  - Quicker Responses & Consistency

Interstate Photo System

- Functionality
  - Photo Submissions Independent of Arrest
  - Bulk Submissions
  - Photos Other Than Facial
  - Photos With Civil Submissions

Interstate Photo System (Cont.)

- Benefits
  - Increase In Photo Submissions
  - Increase In Investigative Tools
  - Easier Access
  - Multi-modal Potential

Disposition Reporting Improvements

- Functionality
  - Submissions Via CJIS WAN
  - Submissions Via III
  - Modernization of MRD Process
  - Direct Federal Court Submissions

Disposition Reporting Improvements (Cont.)

- Benefits
  - Increased Submissions
  - More Complete CHRI
  - Better Decision Making

Advanced Fingerprint Identification Technology - ETIS

- Functionality
  - Increase IAFIS Processing Capacity, Storage Capacity, & Accuracy
  - Decrease Response Times
  - Provide New Processing Capability
  - Enhanced Terrorist Identification Service (ETIS)

Advanced Fingerprint Identification Technology - ETIS (Cont.)

- Benefits
  - Quicker And More Accurate Service
  - Quick Capture
  - Rapid Terrorist/Wanted Person FP Check

Enhanced IAFIS Repository

- Functionality
  - New Capabilities For Civil Records
  - Civil Record Consolidation
  - Rap Back Service
  - Multi-modal Potential

Enhanced IAFIS Repository

- Benefits
  - More Thorough Search
  - Expanded Search Capabilities
  - Safer Nation

National Palm Print System

- Functionality
  - Receive, Store, & Search Palm Prints
  - Allow Bulk Submissions
  - Search Unsolved Latent File
  - Multi-modal
- Benefits
  - Additional Biometric
  - Solve More Crimes

NGI Study

- Requirements Study
  - User Requirements Review
  - CONOPS Completion
  - Functional Requirements
  - System Requirements

Development Strategy

- NGI Development & Deployment
  - Incremental Approach
    - Operational Functionality Each Fiscal Year

DEPARTMENT OF JUSTICE
FEDERAL BUREAU OF INVESTIGATION
FIDELITY
BRAVERY
INTEGRITY