

The Impact of The ANSI/NIST-ITL Standard

Presented at
The Biometrics Consortium Conference
September, 2010

Why use the Standard?

- Ensure consistency in data definition
 - Meaning of the data
 - Usefulness of the data
- Transfer relevant information with the biometric sample(s)
- Enable data to be collected and used by different types of systems using systems from multiple vendors (facilitate interoperability)

**Millions of Transactions
Around the World per Year**

- Law Enforcement
- Border Management
- Military
- Government Benefits
- Intelligence

Locations of systems with the standard installed for data transfer (known to NIST)



Blue: National and International System Use
Red: State / Provincial / Local System Use



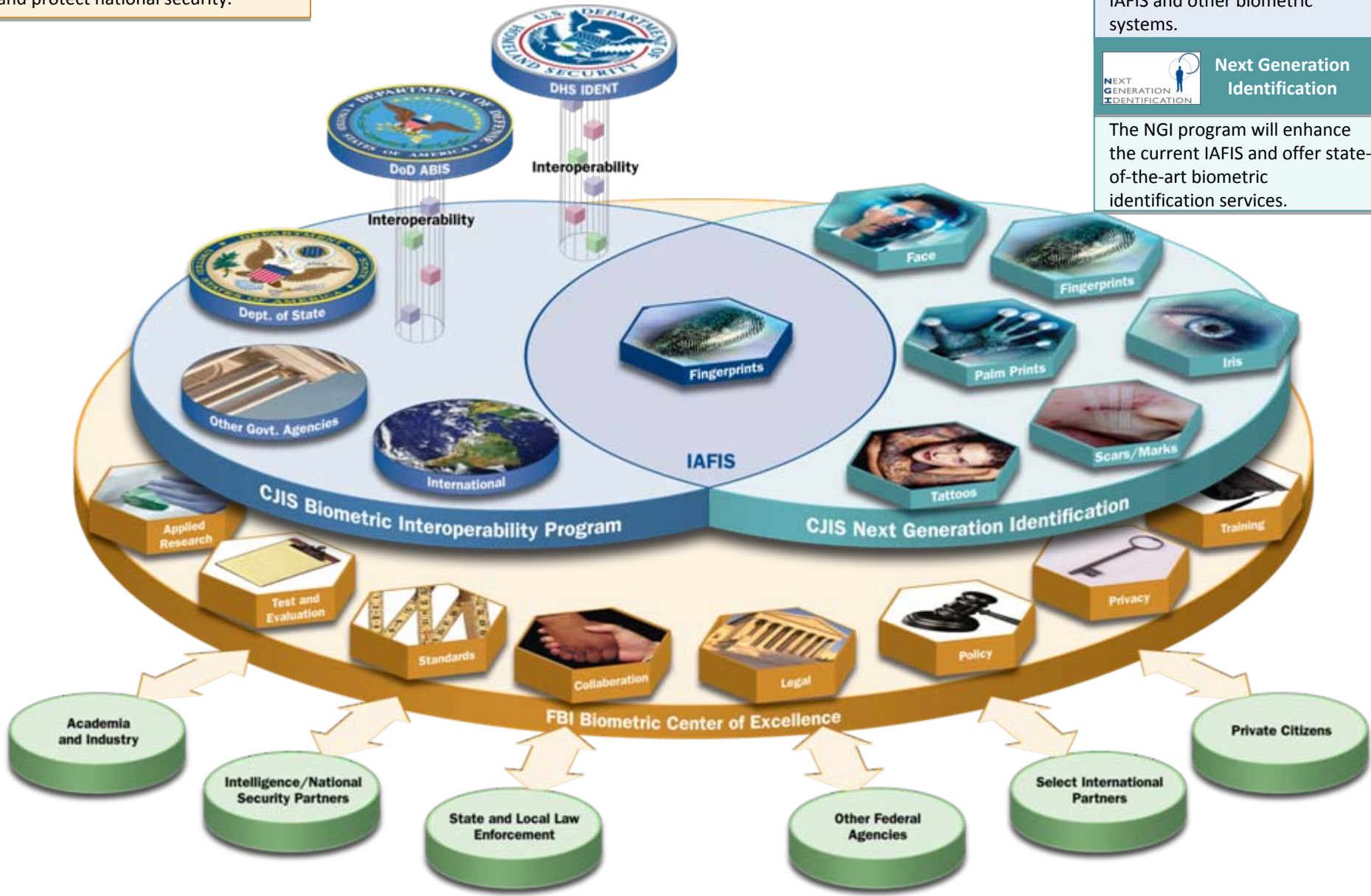
The Biometric Interoperability Program establishes interoperability between the FBI IAFIS and other biometric systems.



The NGI program will enhance the current IAFIS and offer state-of-the-art biometric identification services.

FBI Biometrics Today

The BCOE is the FBI program for exploring new and advanced biometric capabilities to solve crimes and protect national security.



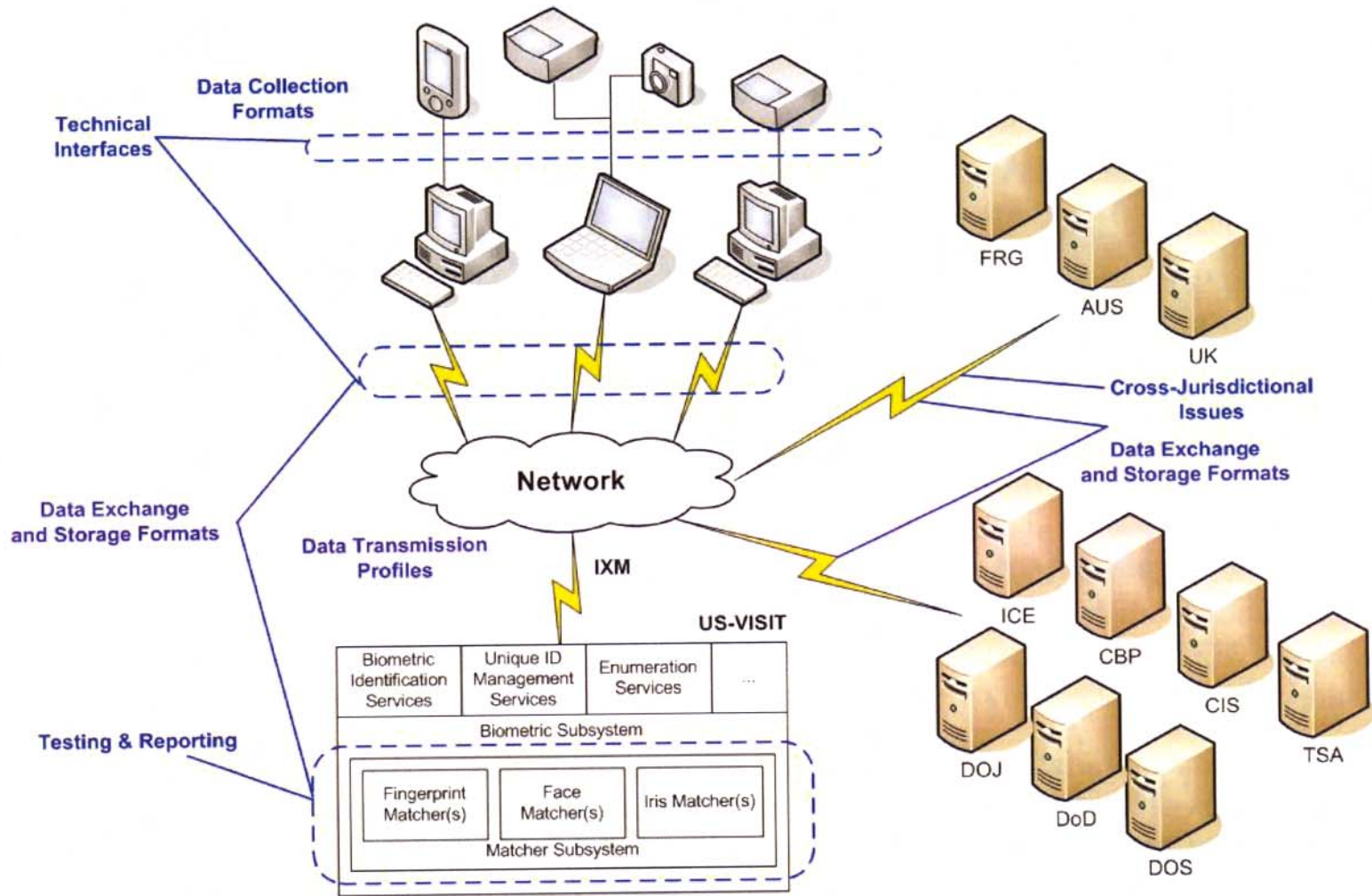
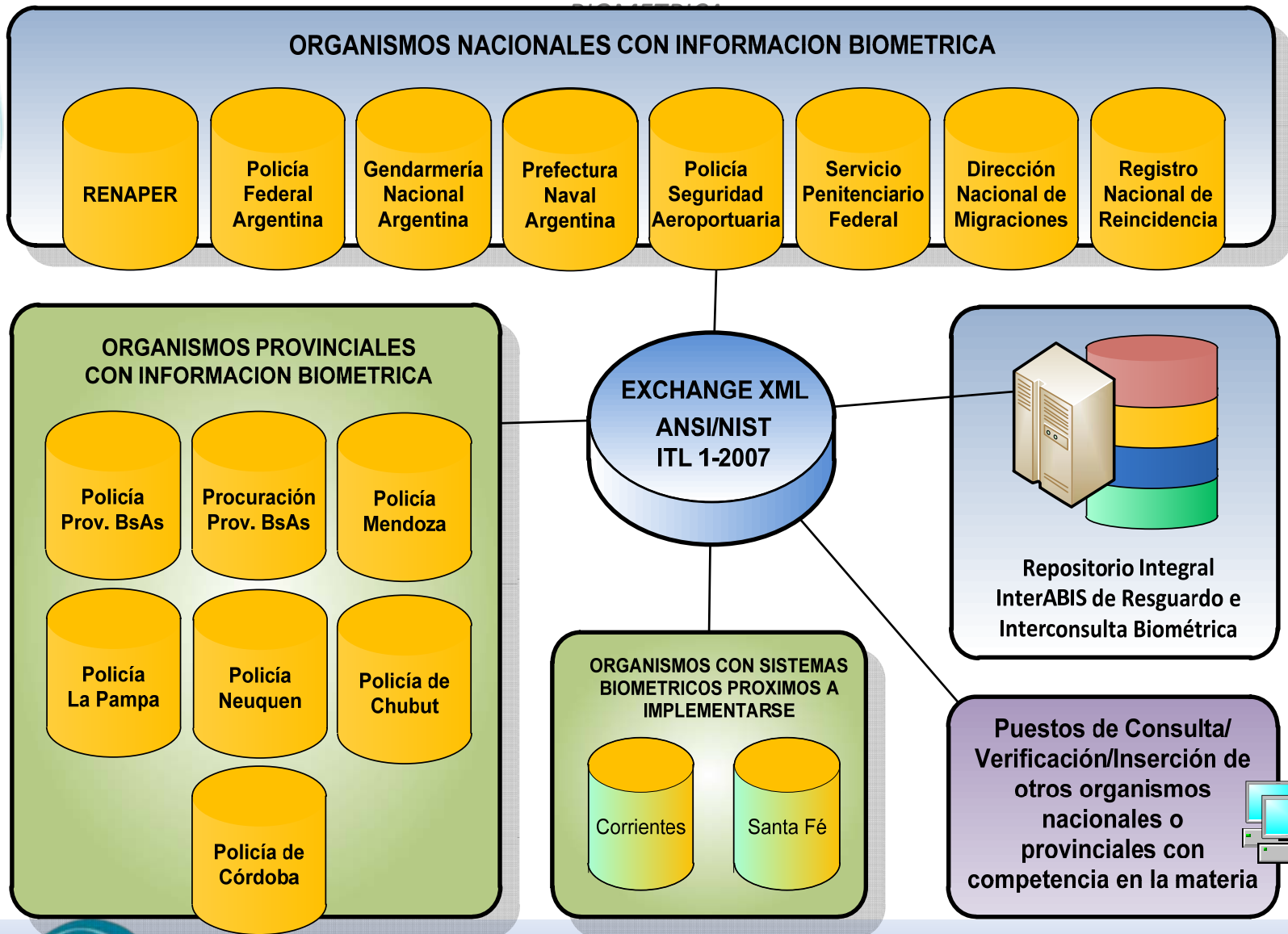


Figure I-1. US-VISIT Stakeholder Interoperability

PROYECTO "RED NACIONAL DE INFORMACION BIOMETRICA"

DIAGRAMA CONTANDO LA INTERCONEXION DE LA TOTALIDAD DE ORGANISMOS CON CONSULTA



FALCON Rapid ID

- 2,655 active devices
- 75K+ transactions first six months 2010
- Two Modes:
 - Two finger (1:N) search
 - One finger (1:1) verification
- Response time target <1m
- Fingers -- 2,3,7,8
- Users
 - Department of Corrections
 - Florida Highway Patrol (every patrol Trooper)
 - Fish & Wildlife Commission
 - Department of Environmental Protection
 - Sheriffs Offices & Police Departments



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