

# National Database and Registration Authority



03.12.2016

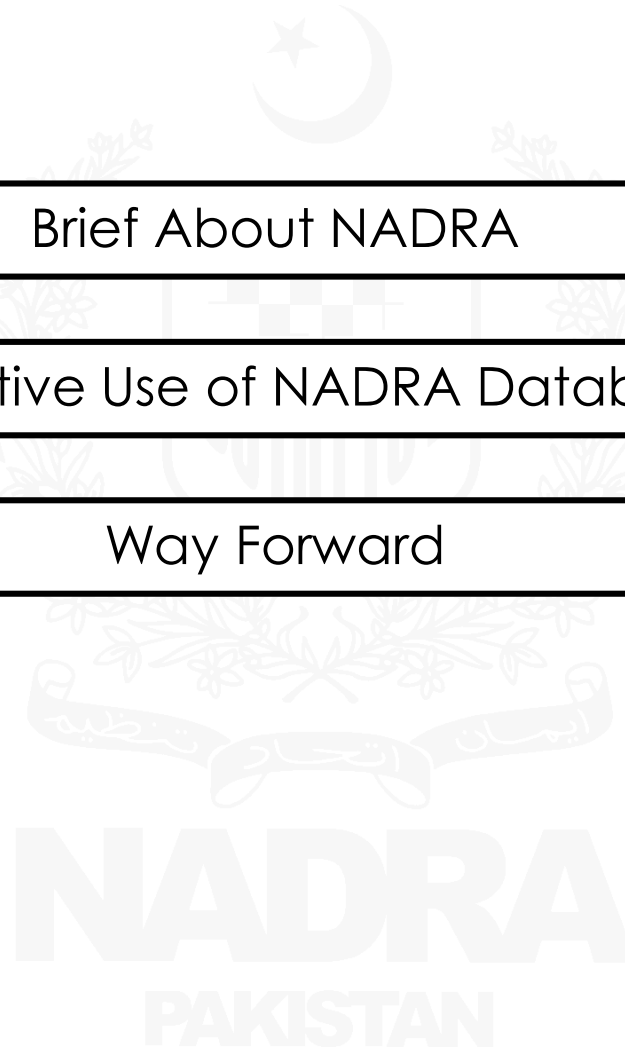
# Agenda



Brief About NADRA

Innovative Use of NADRA Database

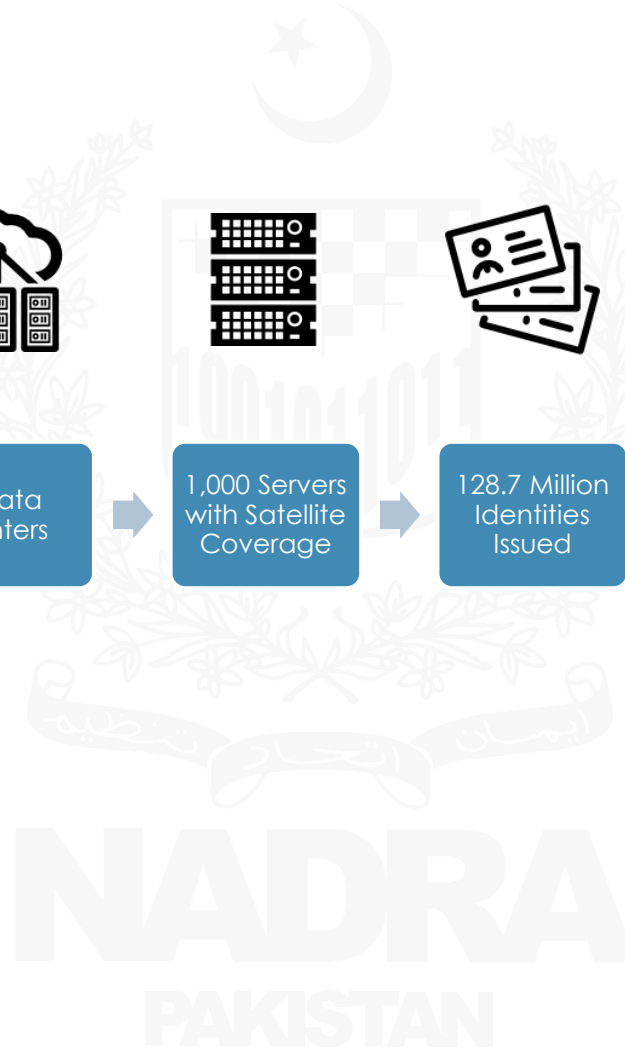
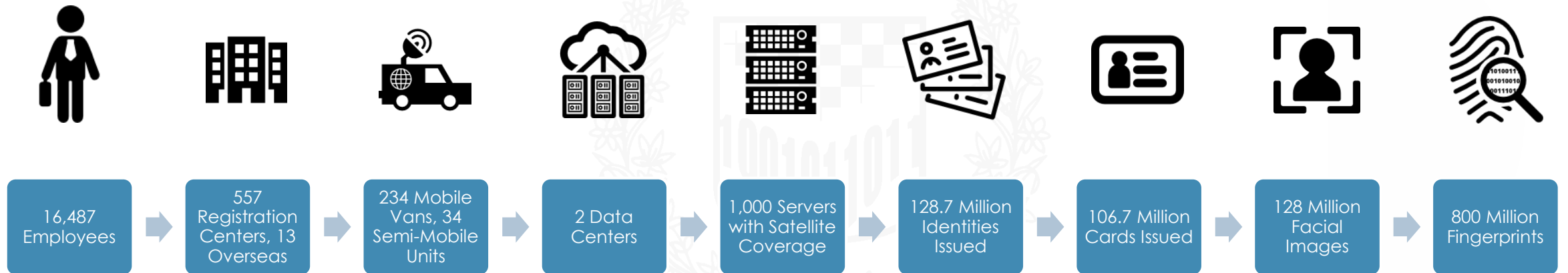
Way Forward



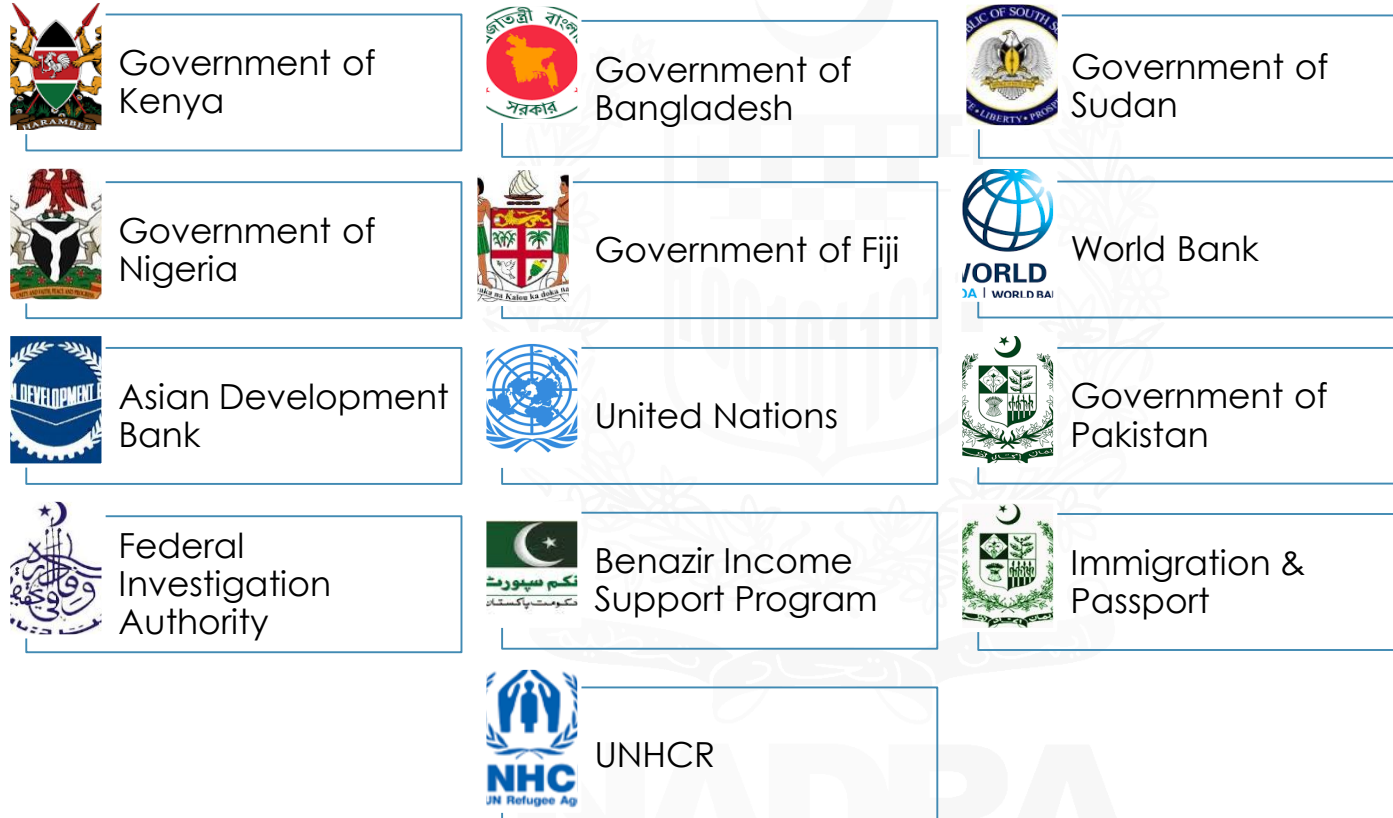


# Brief About NADRA

# Features



# Major Clientele



# International Projects



National Driver License System (Bangladesh)



Passport Issuance and Control System (Kenya)



Civil Registration System (Sudan)



Identity Card Issuance System (Nigeria)



Scanning and digitization of Citizen Registration (Sri Lanka)



E-Passport System (Kenya)

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# National Projects



National Identification System



DGIP, Machine Readable Passports and Visa



FIA, Integrated Border Management System



MOI, Safe City Islamabad



Prime Minister Health Program



Benazir Income Support Program



Punjab Kissan and Imdadi Package (KPIP)



Kiosk and e-Sahulat



Watan Card, Phase 1 & II



UNCHR, Afghan National Registration



Arms License (Punjab, Sindh, Federal)



ERRA, Livelihood Project, Housing project



Vehicle Registration Card (ETO - Islamabad)



E-Toll Collection System



ECP, Data Entry and Production of Electoral Rolls

PAKISTAN

# National Projects



Pakistan card



INGO Registration



Sindh Employee card



National Alien  
Registration System



Biometric Verification  
Services



Civil Registration  
Management System



National Action Plan



Frontier Corps Cards  
Production



Pakistan Engineering  
Council



Pension and Zakat  
Disbursement System



Tax Payers ID



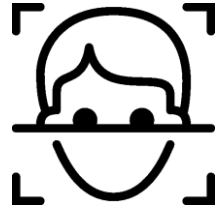
SMS Services (7000, 8400,  
8300,8500)





# Innovative Use of NADRA Database

# Biometrics



## Facial Recognition

- 128 million faces in database
- 12 assemblies containing same face gallery
- 40 million matches per second

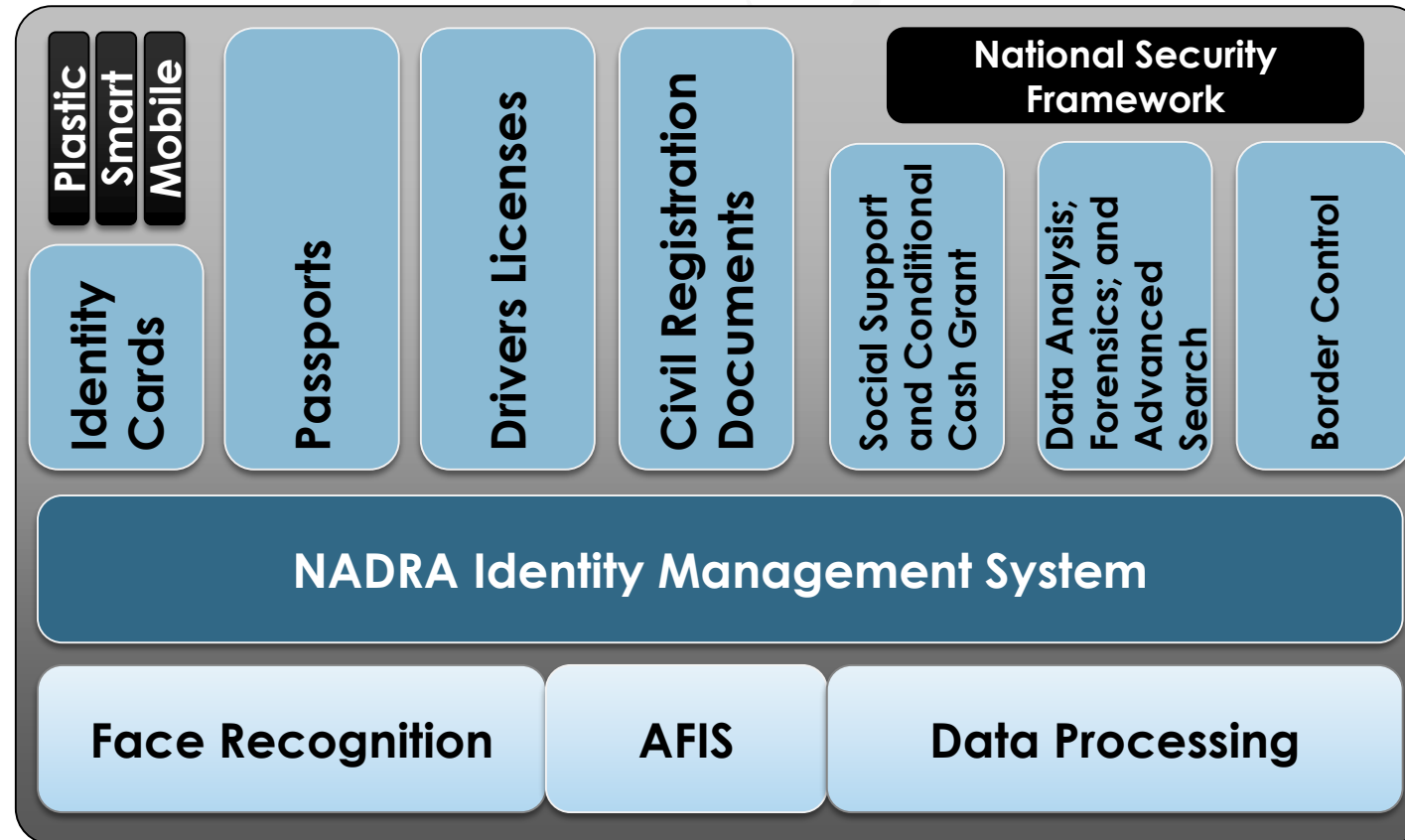


## Fingerprint Identification

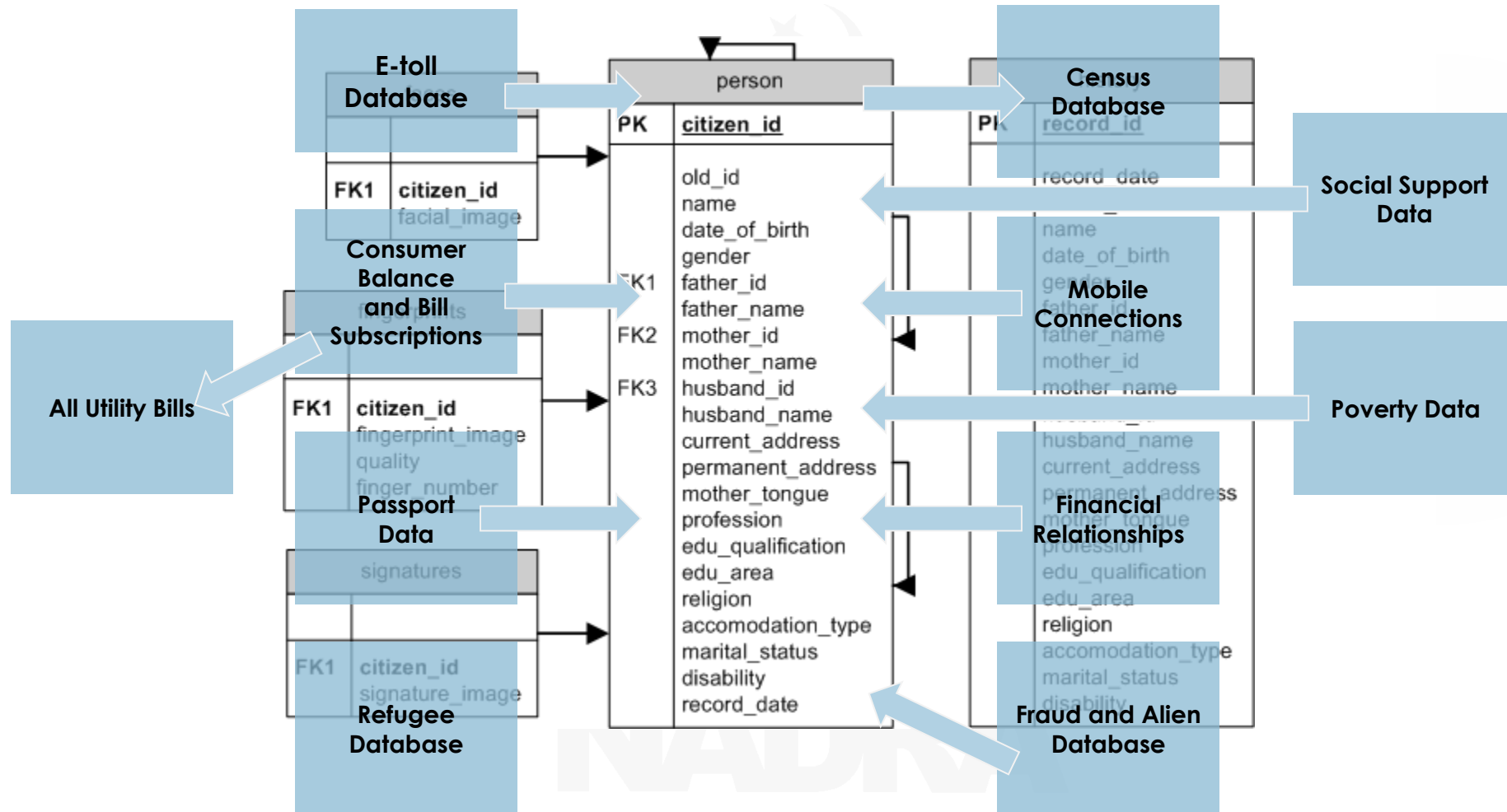
- 800 million fingerprints in database
- 54.97 million (person) matches per second
- Indigenously developed AFIS launching in 2016



# Identity Framework



# Products in ID Management



# Social Protection Projects



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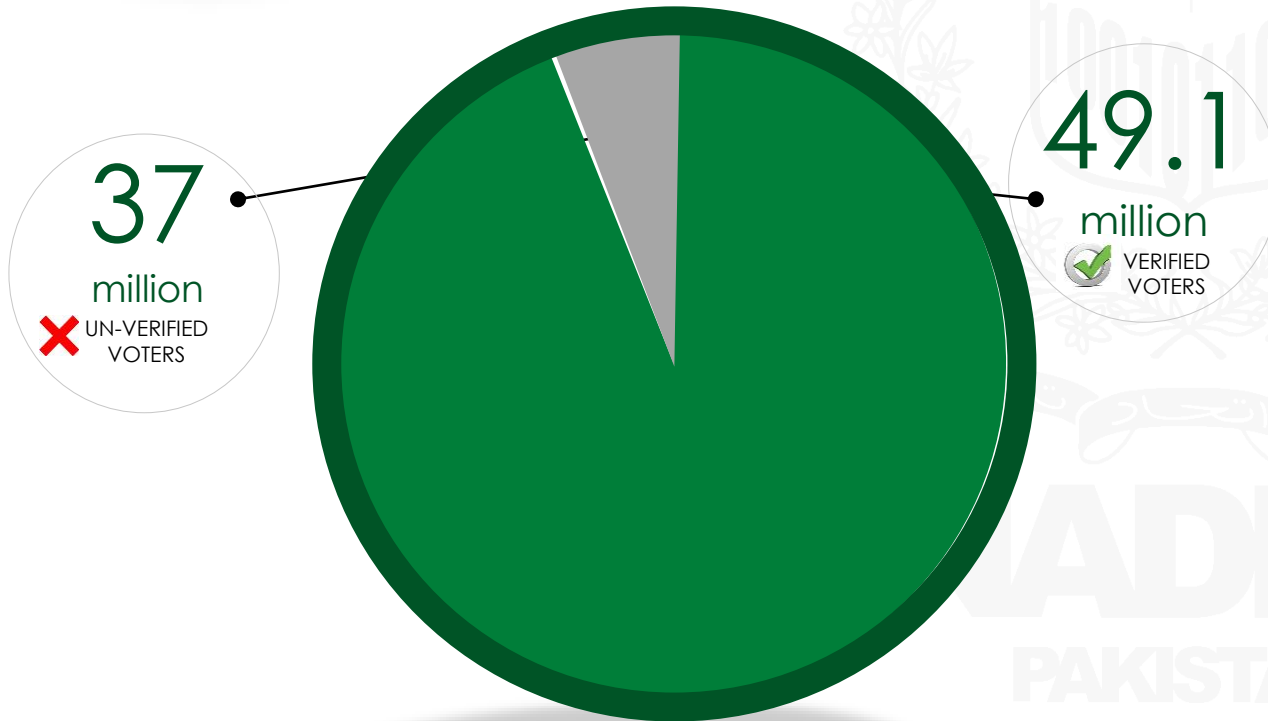
# Electoral Reforms

## VOTERS VERIFICATION



**86.1 million** unique  
voters verified through NADRA  
Citizen Database

VOTERS



**74.9 million hits**  
On 8300 SMS  
Service



**3.6 million** pages  
of final electoral  
rolls printed



**36 million** verified  
voters added by  
NADRA



# Verification Services



## VERISYS

Textual Data Verification

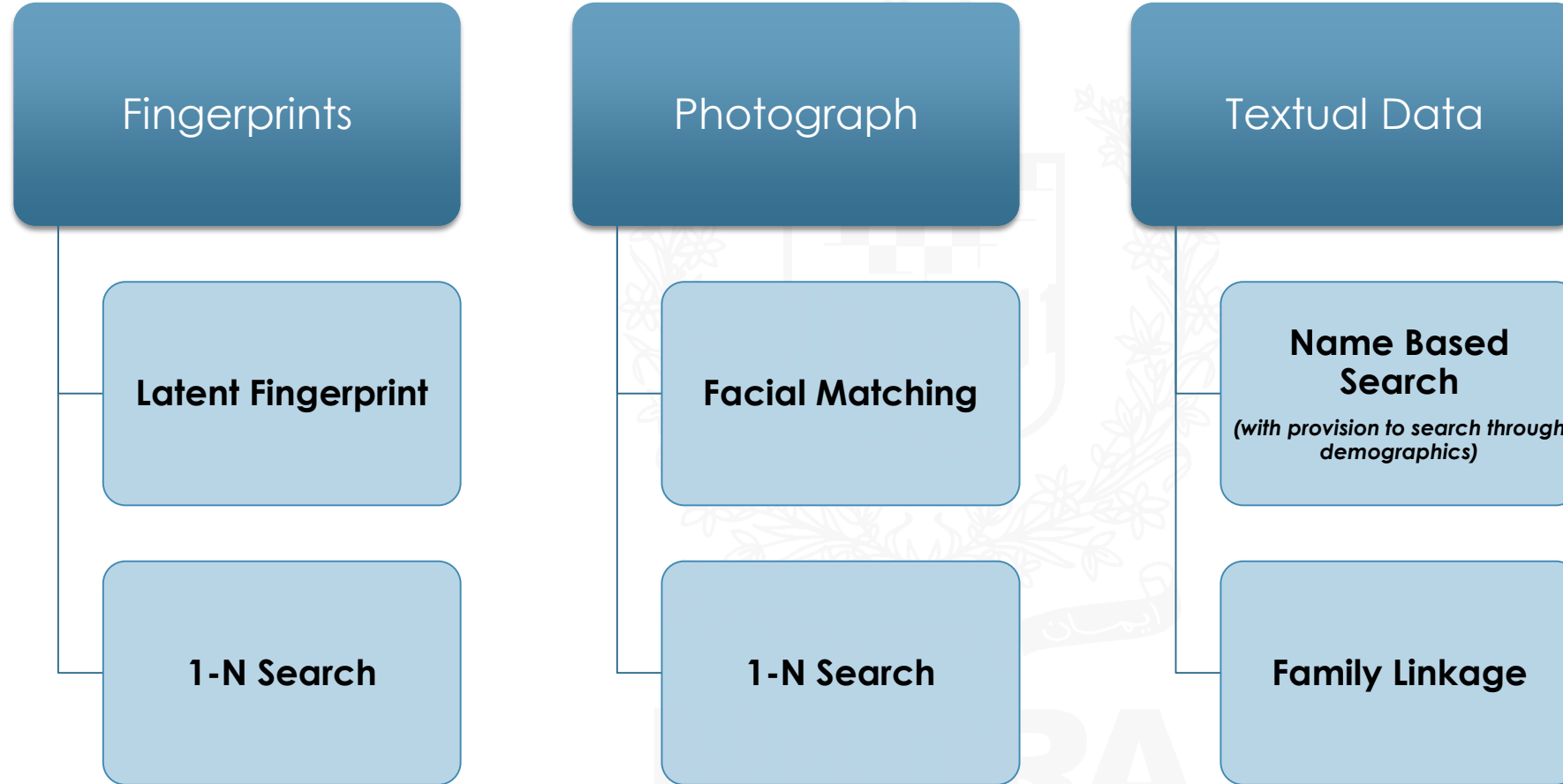
Identity Card Verification

## BIO-VERISYS

1:1 Fingerprint Verification

Supplemented by  
Photograph

# Helping Law Enforcement Agencies







# Way Forward

# Process Automation



## Automation

- Automation of Police Station, Jail and Judiciary processes

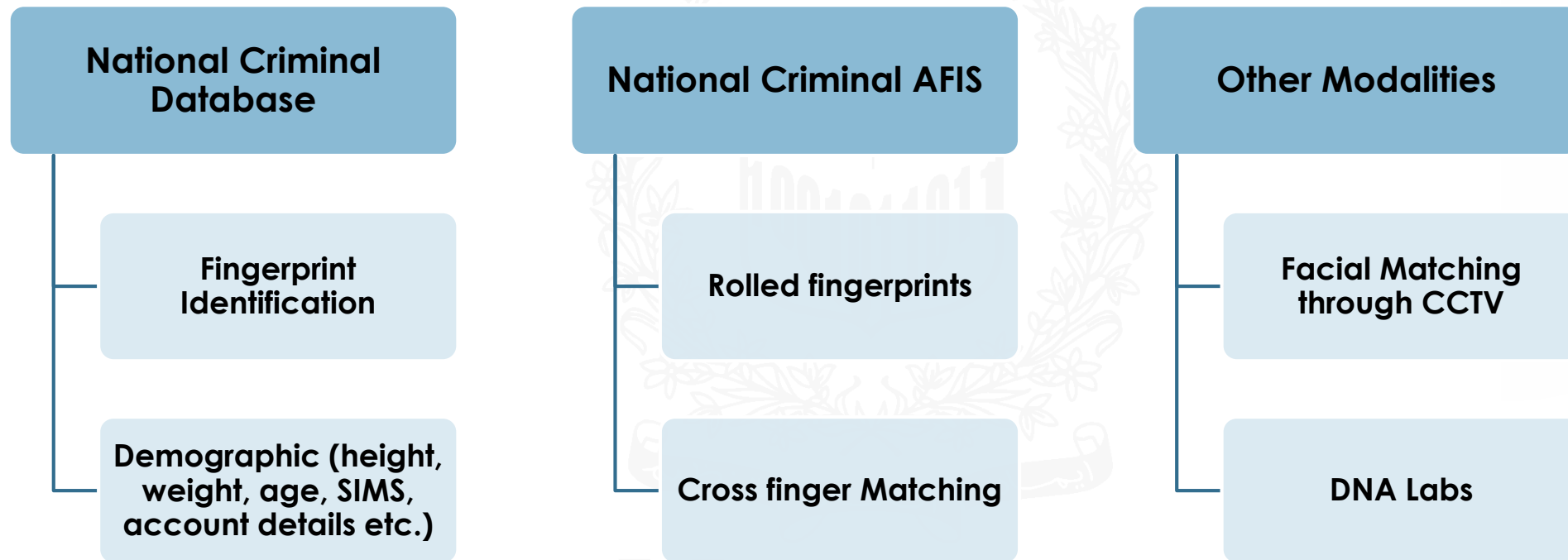
## Centralized Repository

- Create a unified centralized repository

## Operations

- Independent decentralized operations

# Criminal Database



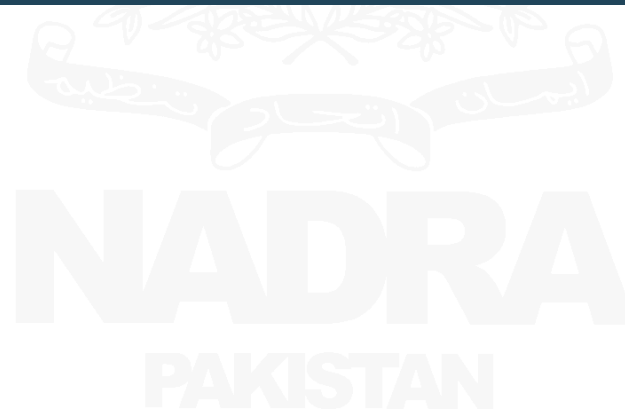
# Alien Database



1.5 Million Afghan  
Refugees

1 Million Aliens

**ALIEN AND REFUGEE DATABASE IS REQUIRED**



# Arms License Database



## OBJECTIVE

Centralized  
Arms License  
Repository

## CURRENT STATUS

Punjab, Sindh &  
Federal  
Government  
Arms Licenses  
Database

## WAY FORWARD

Remaining  
provinces and  
territories to be  
automated

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# Centralized Vehicle Registration Database



## **CENTRAL REGISTRATION REPOSITORY**

- Unified Registration System
- Centralized Registration
- Provincial Data Banks
- Central Excise and Taxation



## **CENTRAL MOTOR VEHICLE VERIFICATION**

- Law Enforcement Agencies Verification
- Vehicle Registration Verification
- Insurance Verification



## **CENTRAL BLACKLIST VEHICLES**

- Stolen Vehicles
- Suspicious Vehicles by LEAs
- Identification of non tax paid vehicles

# CENTRALIZED NUMBER PLATES



## STANDARDIZATION

- Uniform Readability Across Country
- Intelligent Numbering Schema
- Centralized Production Facility



## SECURITY

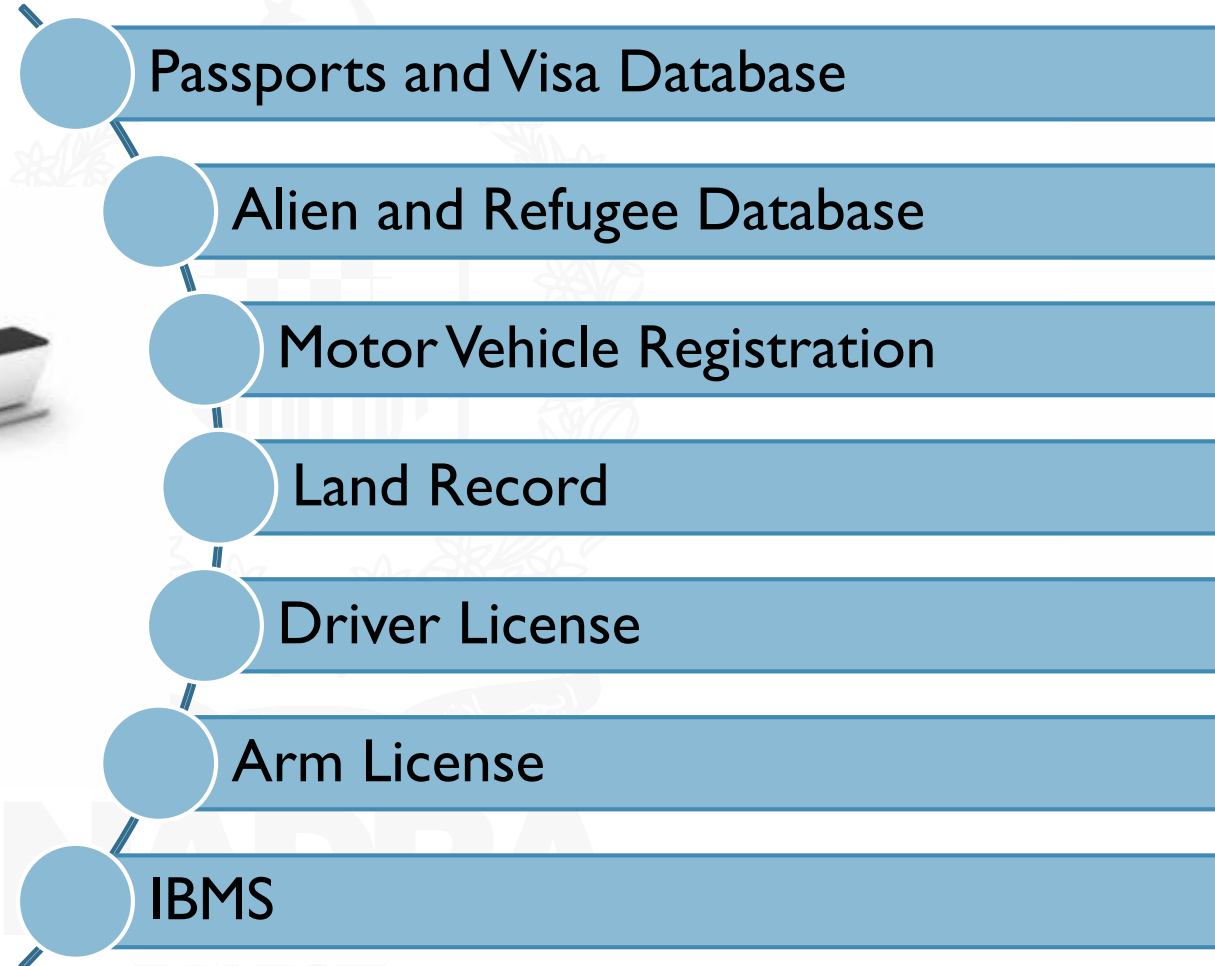
- Microchip Embedded
- Insignia to Guard Fake Plates
- Effective Vehicle Monitoring



## ENFORCEMENT

- Differential treatment at security check points
- Effective Monitoring through Automated Number Recognition

# Integration of Judicial System







THANK YOU