# NADRA'S CORE ROLE IN OPTIMIZING GOVERNENCE & MANAGMENT

# National Database and Registration Authority

**MEP-19108**

**ALI KHIZAR SAJID**

# <u>INTRODUCTION</u>

NADRA is one of the leading System Integrators in the global identification sector and boasts extensive experience in designing, implementing and operating solutions for corporate and public sector clients. NADRA offers its clients a portfolio of customizable solutions for identification, e-governance and secure documents. NADRA has successfully implemented the Multi-Biometric National Identity Card & Multi-Biometric e-Passport solutions

# SEQUENCE OF PRESENTATION

- History of NADRA
- NADRA-Insight
- E-Banking Facilitation & Cellular Networks Authentication
- Issuance of Arms License and Afghan Registration
- Drivers registration and E challan
- Safe cities projects and Smart police facilitation
- Federal Board of Revenue Tax Profiling system
- Election Commission of Pakistan Electoral rolls
- Machine readable Passport, E-visa and border management
- Pension disbursement & E-toll collection management
- Serving government tasks
- National disaster management & forensic identification
- International Competitive Achievements

# HISTORY OF NADRA

National Database and Registration Authority (NADRA) was established as National Database Organization (NDO), an attached department under the Ministry of Interior, Government of Pakistan in 1998.

On 10 March, 2000, NDO & Directorate General of Registration (DGR) merged to form NADRA, an independent corporate body with requisite autonomy to operate independently and facilitate good governance.

With the mission of developing a system for registering more than 180 million citizens, NADRA launched the Multi-Biometric National Identity Card project developed in conformance with international security documentation issuance practices in the year 2000.

The program replaced the paper based Personal Identity System of Pakistan that had been in use since 1971.

# NADRA – AN INSIGHT

- ✓ Among top 50 suppliers of Passports and ID Cards
- ✓ Among top 21 System Integrators
- ✓ Executing International Registration, Passports, Driving License Projects
- ✓ Over 18,000 employees
- ✓ 560 NRCs
- ✓ 14 Abroad NRCs
- ✓ 234 Mobile Vans
- ✓ 8000 PC LAN
- ✓ Over 28 TB of data
- ✓ Over 100,000 card Production/ Day capacity
- ✓ World's Largest Multi-biometric DB
- ✓ Top 50 e-Passport Technology Suppliers for 9 consecutive years in *ID World Magazine*, for 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012 and 2013.

# GENERATION OF ID CARDS

In Pakistan registration was established in 1973 under the Article 30 of the Constitution to maintain statistical Database of citizens.

In absence of statistical database of people country was operating in utter darkness.

With the help of Pakistan army door to door census started in 1999 to computerize the census data and use it for computerized national identity card.

**1** PAPER ID

**2** COMPUTERIZED ID

**3** SMART ID

1973

2002

2012

# NATIONAL IDENTITY DOCUMENTS



NATIONAL IDENTITY CARDS

PAKISTAN ORIGIN CARDS
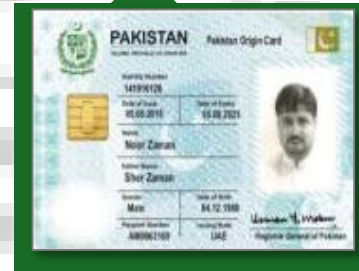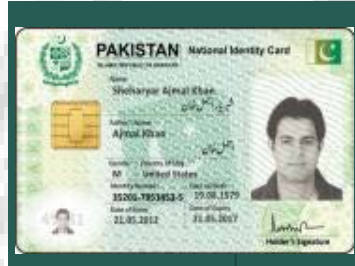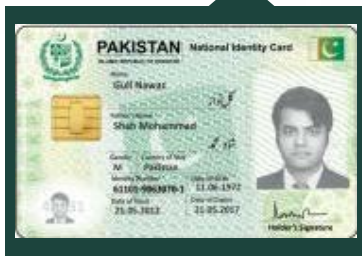
IDENTITY CARDS FOR OVERSEAS PAKISTANIS

IDS FOR CITIZENS WITH SPECIAL NEEDS

Services

- Financial, and Remittance
- Licenses, Tickets, and Loyalty Programs
- Social Protection, Insurance
- Education and Healthcare

## SECURITY PRIORITIZED
THIS CARD CANNOT BE ALTERED, DUPLICATED, FORGED OR MISUSED.

Name English
Father Name English
Chip
CNIC
(CLI/MLI) Ghost Image
Card Authentication Code

Micro-lettering
Name Urdu
Father Name Urdu
Photograph (Laser Engraved)

Micro-lettering

Present Address
Permanent Address

Machine Readable Zone

Optical Variable Diagram (OVD)
Quick Response Barcode
Card Serial Number

Text for Overseas Resident Card

Higher Security

- Card Security through Cryptography
- Owner Security through Biometrics

# FRC AND CIVIL REGISTRATION DOCUMENTS

NADRA has successfully implemented Civil Registration Management System at the Local Government level in Pakistan. Under this system the government can register the citizens vital events (Birth,marriage,death and divorce) replacing the old paper based record management.

CRMS linked across the country via central database and enabling better governance.

Family registration Certificates

Child Registration Certificates

Birth and Death Certificates

# PERFORMANCE OVERVIEW AND REGISTRATION PROGRESS
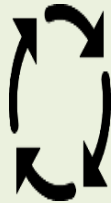
# ONLINE ID ISSUANCE SYSTEM

The state of art automated system runs 24/7 whereby every application goes to the central server for Automatic finger identification, manual and facial verification.

Accepted as an identity credential in more than 100 international airports because it adhered to the ICAO rules for machine readable travel documents.

Application for all categories are available online from anywhere in the world with a home delivery service.

- Instant Online ID Application
- Instant Online Payment
- Worldwide Courier Delivery
- State of the Art Web Application
- Instant Notification of Rejections
- Substantial Reduction in Service Delivery Time

PAK-iDENTITY

http://id.nadra.gov.pk

SUMMARY

Launched on:
7th August 2015

# ARMS LICENSE ISSUANCE & AFGAHN REGISTRATION

NADRA is working with 3 Governments; Federal, Punjab and Sindh ensuring a reliable and secure system for the issuance of Computerized Arms License cards. Replacing old booklets with a highly secure PVC card foolproof and eliminating corrupt practices.

Major difficulty in the early years 2001-2005 where Pakistan had many Afghan refugees, Bengali's and Iranian non nationals with fake identities.

Supporting Afghan citizens residing in Pakistan identification cards; National Database. Government of Pakistan, Government of Afghanistan & UNHCR joined hands to make this project a success.

# BANKING SECTOR UPGRADATION & SIM VERIFICATION

- Nadra has facilitated Banks with biometric verification and Verisys system to resolve the issue of ghost accounts.

- Helping Pakistan's commitment to FATF standards. (Grandi, Seller, & jafri, 2019).

- Several Bank's launched mobile biometric verification especially beneficial for overseas Pakistanis. Most of ATMs countrywide are offering card less biometric-authentication.

- After the 2014 terrible terrorist attacks mobile sector was regulated within three months the base 215 million prepaid sims were reduced to 115 million associated with 45 million unique customers.

# DRIVING LICENSE MANAGEMENT & E CHALLAN

- Nadra is facilitating Centralized Issuance and Management of Driving Licenses with Centralized Issuance and Management of Challan Ticketing System.

- Creating data hub to facilitate other agencies and Help reduce vehicle related crimes.

- Online vehicle registration, verification and token system is prepared with CNIC linkage.

- E-challan system enforced across big cities which tracks violations via linking registered vehicle associated to CNIC and automatically sending challan to the addressee.

# SAFE CITY PROJECTS & SMART POLICE FACILITATION

- Nadra has deployed surveillance cameras and radio frequency readers for capturing movements of people and vehicles across big cities enhancing security surveillance and risk management.

- Command center acts as the central facility where all the information can be monitored, recorded, analyzed so that security events can be responded to effectively and proactively.

- A web based software integrated central system is launched for FIR recording and management to monitor response time.

- SPFC are integrated with Anti-Vehicle Lifting Staff (AVLS) in addition excise and taxation to facilitate verification.


Intelligent Video Surveillance (1700 Cameras)

# FEDERAL BOARD OF REVENUE TAX PROFILING SYSTEM

- FBR's Tax Profiling System is a service offered by the Government of Pakistan to facilitate its citizens in understanding their responsibilities towards payment of taxes.

- Citizens can view their profile created by correlating their data from multiple data sources of assets, expenses and life styles available with Government of Pakistan
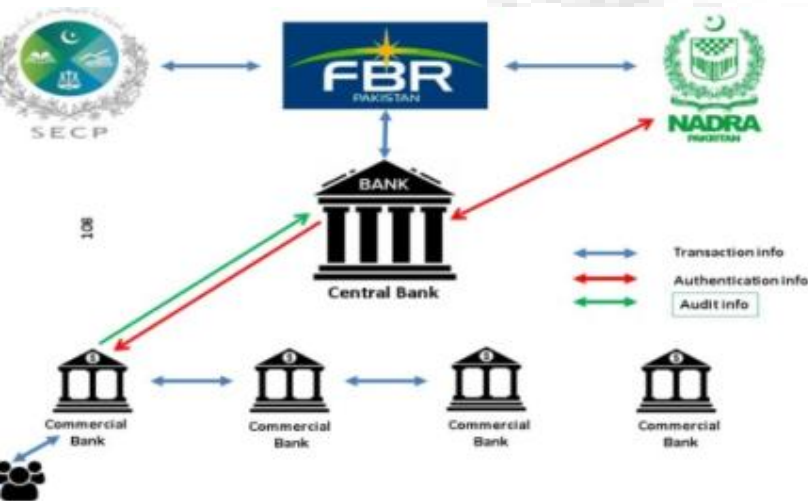


View your tax profile in 3 simple steps:

1 Register    2 Pay Fee    3 View Profile

https://taxnet.nadra.gov.pk

# PAKISTAN ELECTROL ROLLS

- Nadra supported election commission of Pakistan in verifying unique voters via national database.

- Out of total 81 million voters, 36 million were verified via sms.

- To maintain a transparent system of electoral process NADRA has successfully conducted the last election via Result Transmission System.

- Assigning presiding officers with a CNIC based location enabled application to transmit result as soon as it is compiled to reflect on main server dashboard.

# MACHINE READABLE PASSPORTS & E VISA SERVICES

- Nadra facilitated Directorate general of immigration and passport for machine readable passport eliminating duplication, strengthening database to keep check on Blocked citizens under local and international laws i.e. Exit control list.

- Online application working for overseas residing Pakistani citizens across the globe ended manual passport backlog.

- Online visa issuance portal for any foreigner to visit Pakistan.

# PENSION DISBURSMENT &E TOLL COLLECTION

- **Nadra has developed a pension management and disbursement system benefitting 1.72 million biometrically verified Pensioners**

- **To efficiently handle ever increasing traffic volumes Nadra developed E-toll , RFID chip based system across the country**

# SERVING GOVERNMENTS HOUSING & CASH RELIEF TASK

- Pakistan facing a housing backlog of 12 million houses and quarter of population living below poverty are living in slums.

- Nadra developed a data acquisition system to serve and streamline the needy on priority whereby all applications are verified with the database to assess material assets, earning etc.

- Under the current covid-19 situation Nadra responded to government's call for emergency relief disbursement.

- SMS based service launched sending CNIC systems verifies all material assets like ownership, car, bank account status income and so on, after confirmation a push message is served for biometric verified collection at a designated place.



NAYA PAKISTAN HOUSING PROGRAM



How will the government give houses to all?

NADRA database will help ascertain demands and requirement of funds for each area through registrations.



Ehsaas Emergency Cash: social protection response to Coronavirus

Send your CNIC Number to 8171 to check your eligibility.

# DISASTER MANAGEMENT & FORENSIC IDENTIFICATION

- A special fleet of Mobile registration vans, and man pack machine systems connected to offices across the country to facilitate the handicapped, senior citizens and ill people.

- Nadra mobile registration teams reach the locals for emergency relief assessment and biometric transparent disbursement i.e. flood hit areas or earthquake effected.

- Nadra is assisting forensic identification of terrorists and victims. With a robust active database of more than 150 million Nadra has successfully verified the victims from their remains.

- Our system data also helps police to trace the killers.

# 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)

Election Management System (Fiji)

# THANK YOU