Empowering Public and Private Services: The Ghana Card Experience

A Presentation at the ID4Africa 2023 Annual General Meeting, Nairobi, Kenya

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23rd May 2023

Mandate of the National Identification Authority

1 Register all Ghanaians living in Ghana and abroad and eligible foreign nationals permanently resident in Ghana onto the National Identity Register

2 Issue Ghanaians and eligible foreigners with National Identity Cards commonly known as "Ghana Cards" 3 Ensure the accuracy, integrity, confidentiality and security of data collected

Create and maintain the National Identity Register

5 Make data in its custody available to persons or institutions authorized by law to access the data



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Overview of the National Identification System (NIS)

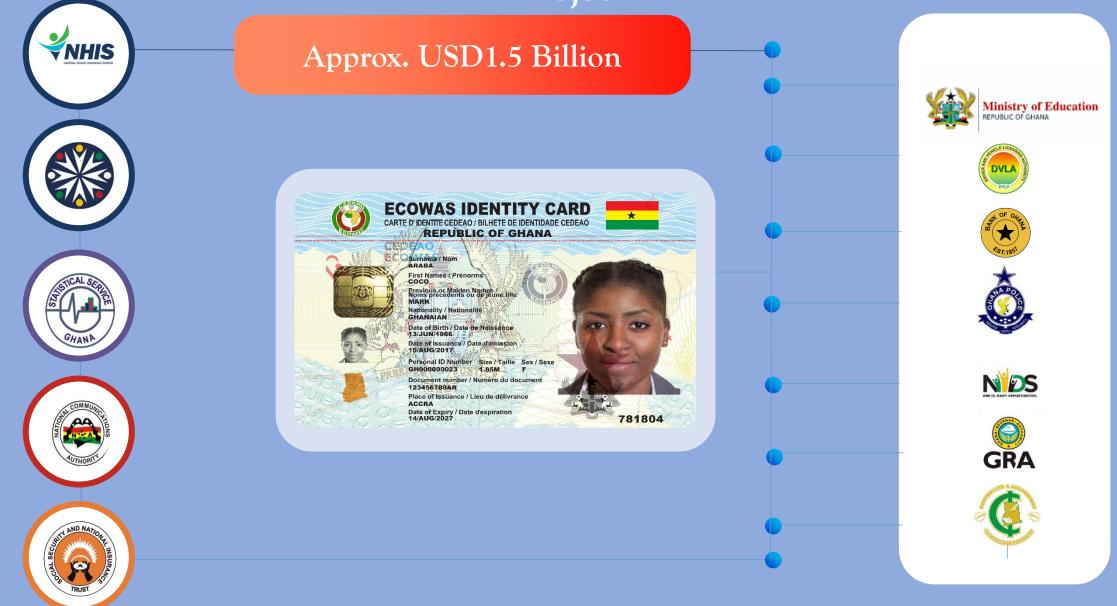
Implementation of the NIS is being pursued within a PPP framework.

- The PPP Agreement is between the National Identification Authority (NIA) and Identity Management Systems II Limited (IMS II).
- The Agreement obtained the approval of the Ministry of Finance, Cabinet and Parliament.
- The cost of the NIS passed two Value-for-Money Audits conducted by the Public Procurement Authority.

Key components of the NIS:

- The Ghana Card a biometric, chip-embedded, dual-interface smart card issued to Ghanaians aged six years and above and qualified foreigners resident in Ghana.
- The National Identity Register (NIR) the biometric database of all registered persons.
- Verification System a robust platform for the verification of identities of persons transacting business using the Ghana Card.

Minimum Cost Savings to Ghana over the 15-year duration of the PPP Project



Revenue Generation under the NIS

The estimated Project Revenue for the NIS for 15 years is over USD1.5 billion. This revenue is to be generated from the following activities for which fees have been approved by Parliament:

- Data Transfer Services to User Agencies
- Verification Services
- Registration at Premium Centres
- Registration of Ghanaians living abroad
- Update of personal information
- Replacement of lost, stolen, defaced or damaged cards

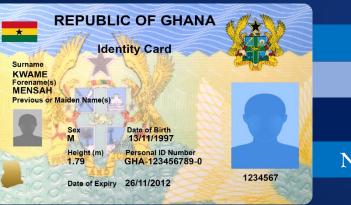
Registration Statistics NIA before 2017 and NIA today

As at 7 th February 2017			
Ghanaians Registered	>	4,554,528	Ghanaians Reg
Cards Printed	>	2,719,425	Cards Printed
Cards Issued	>	900,000	Cards Issued

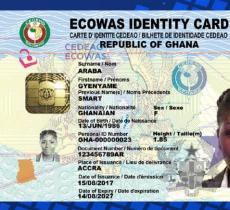
Ghanaians Registered	>	17,409,337
Cards Printed	>	17,266,486
Cards Issued	>	16,266, 498

As at 30th April 2023

781804



2D Barcode card		
4 Fingerprints		
2k Storage space		
No Tracking number		



Dual interface smart card

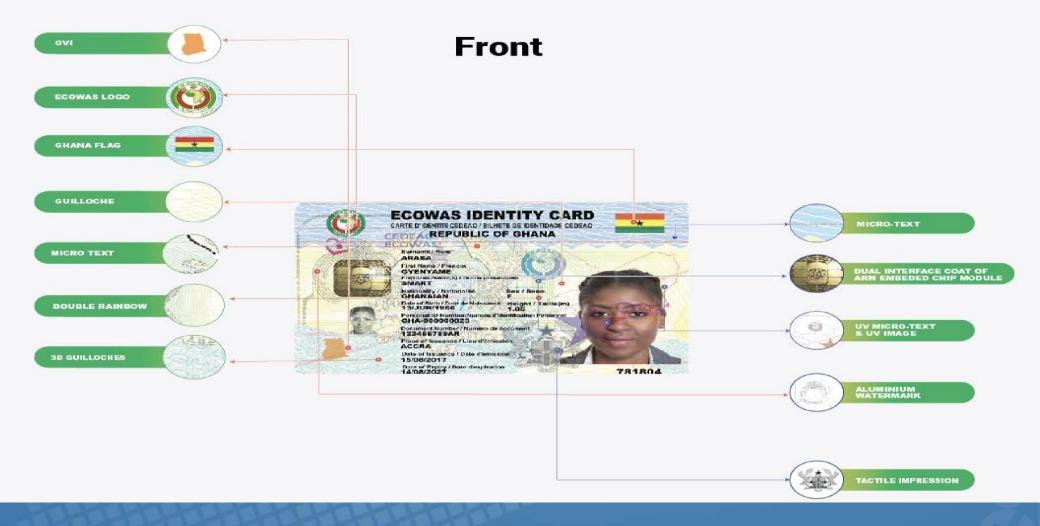
10 Fingerprints

128k Storage space

Tracking number

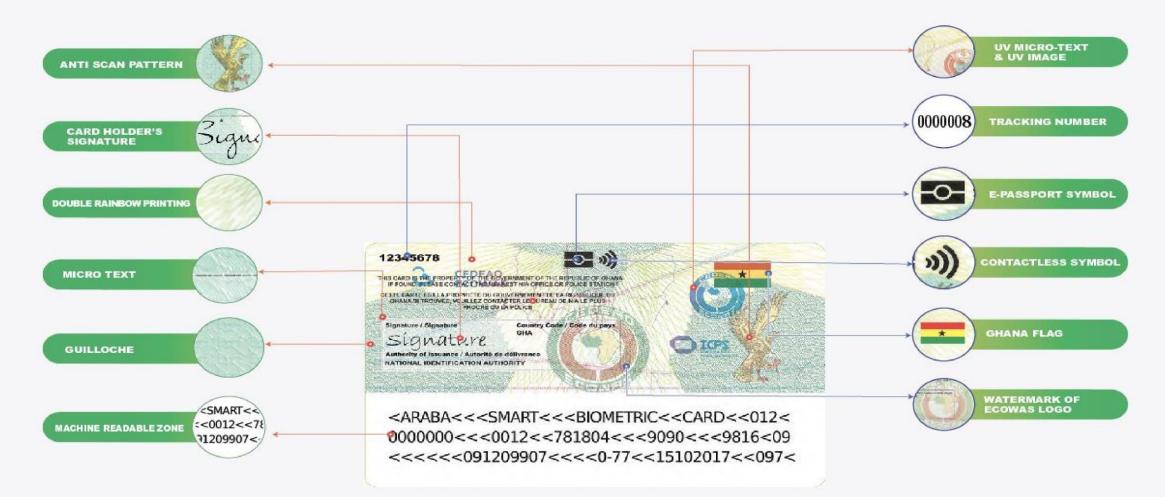
Features of the Ghana Card

Dual Interface Smart Card



Features of the Ghana Card cont'd

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Overview of the **Biometric Verification** Platform

Generation of unique code for compliance and governance

Services and Revenue Categories

Three (3) types of verification services are provided to achieve these objectives:

- a. Applets
- b. Dataset Exchange
- c. Biometric Verification

Applets

>> Applets present a major cost-saving feature for all institutions that are required by law to provide services to Ghanaians. User agencies may use the dedicated space on the smartcards issued to applicants.

>>

All institutions that provide universal services are encouraged to use the applet functionality on the Ghana Card to deliver universal access to all citizens at little cost.

Datasets

- Datasets will be sent to user agencies to produce documents such as Passports, Drivers' Licences etc.
- >> NIA will charge such institutions a fee for the transfer of the dataset.

Biometric Verification

- >> This service provides readonly on-line or off-line verification to user agencies.
- >>> Data will be transmitted to user agencies in real-time or through match-on-card services.

Verification using the Ghana Card



17.4 million Ghanaians

have their data and biometrics stored on the National Identification System

Over 120 million verification

requests have been processed in real time, without a single hitch or failure

A single, trusted, accurate and verifiable database

With the use of the ICAO PKID (directory) all international border management authorities can perform an authentication of a travel document and in, turn rely on the data stored on the chip because of the very high level of security

Online and Offline Verification Platforms

Iris

Yet to be activated

Fingerprint

Comparison of fingerprint captured during registration to what is stored on the Ghana Card or in database for confirmation of unique National ID number Comparison of portrait taken during registration to live portrait for confirmation of unique National ID number

Face

Devices for Online Verification



Fingerprint scanner: Single finger



Camera: 500ndpi, USB 2.0 High speed certified



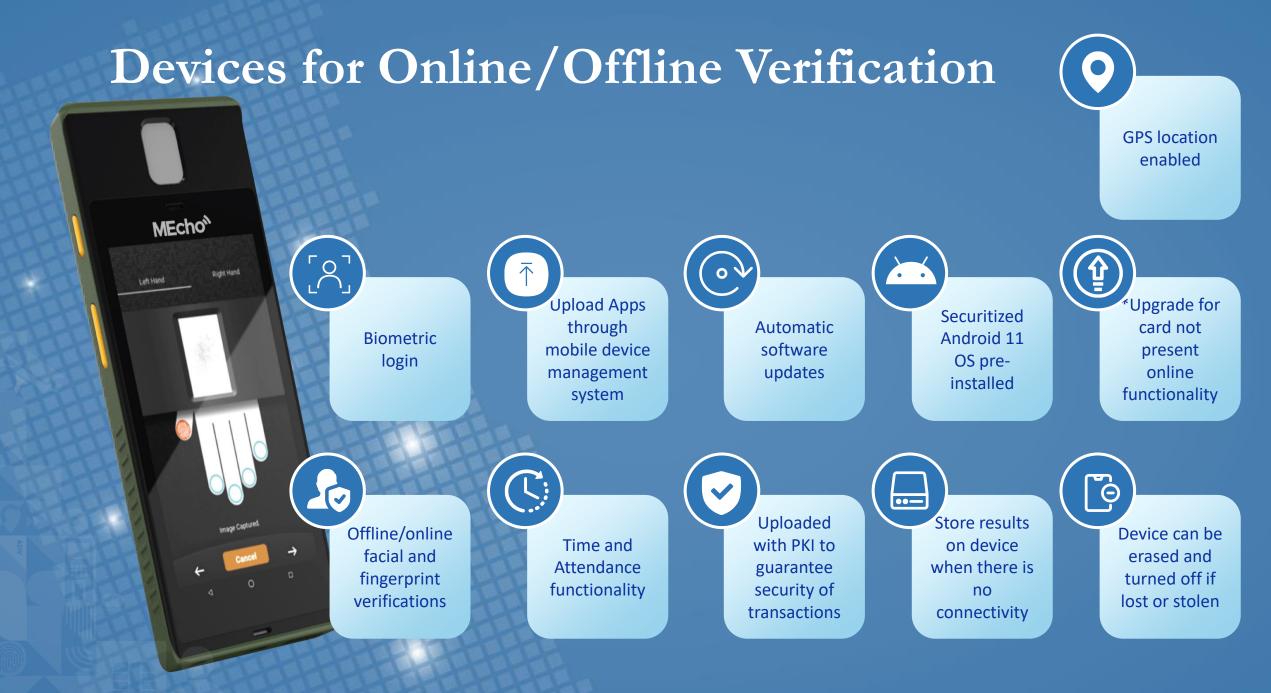
Fingerprint scanner: Multiple finger/4-4-2



Online: Secure/Fast connection

Response in a second

Card present and card not present functionality



Next Projects and Activities

Registration of Ghanaians below the age of 15 years

* Registration of Ghanaians abroad

Continuation of Refugee registration

Registration of persons with mental disabilities

* Registration of Ghanaians in places of detention

Continuation of User Agency onboarding activities



Emerging Compliance Risks

- 1. Non-biometric verification of customers for transactions requiring the use of a Ghana Card
- 2. User Agencies using other forms of IDs other than Ghana Card for identity verification
- 3. Focusing on 1st time verification of identities of customers rather than repeated biometric verifications for every single transaction
- 4. Inadequate education and sensitization on risk of non-use of biometric verification systems

Conclusion

Empowering Public and Private Services: The Ghana Card Experience

Through the enforcement of the regulations governing the mandatory use of the Ghana Card, it is envisaged that both public and private sector would contribute immensely to the digitalization agenda and their services would be characterized by greater levels of integrity and trust as service providers increasingly rely on:

- the National Identification System as a single source of truth
- the Verification System to enhance the speed of transactions

Broader societal acceptance and use of the Ghana Card should:

- ✤ foster greater economic, social and political inclusion
- contribute to the attainment of a stable political society
- senerate revenue for the nation far in excess of the projection underpinning the PPP revenue model