

AFRiDENTITY



**REPUBLIQUE DE GUINEE
CONAKRY
WEST AFRICA**

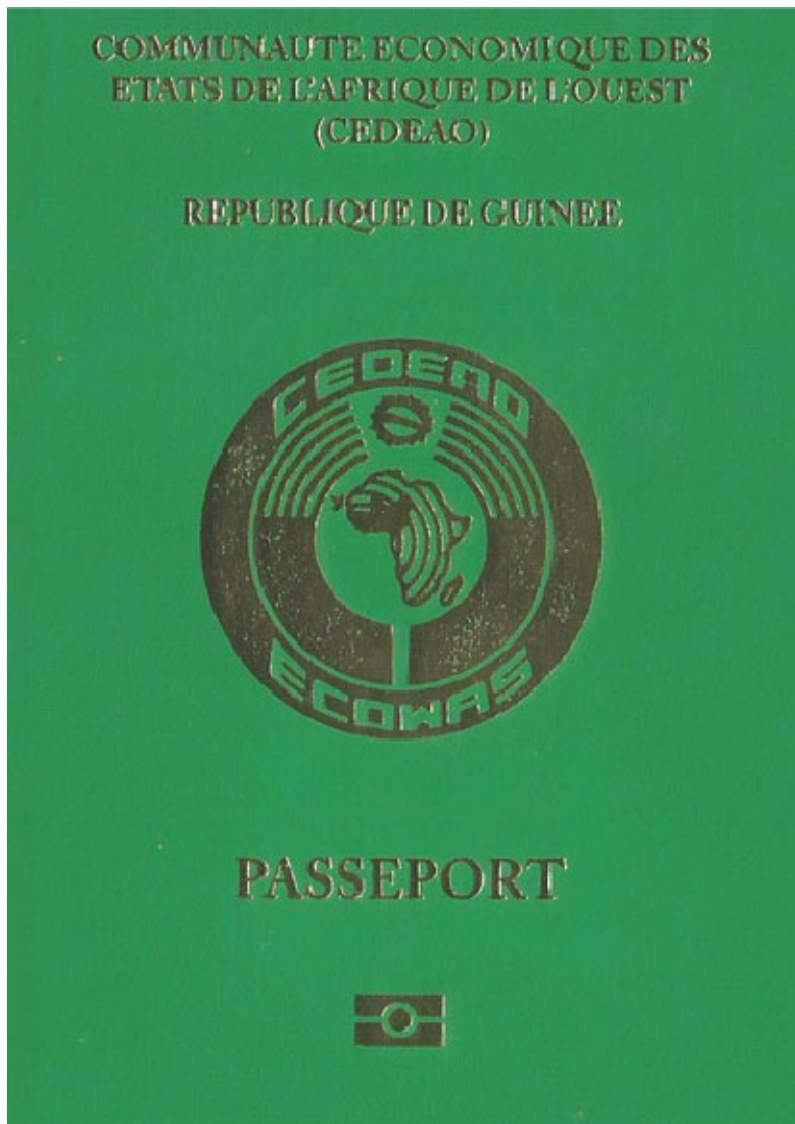
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PROPOSAL – Secure documents for REPUBLIQUE DE GUINEE

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For illustration only



EXECUTIVE SUMMARY

We thank the Government of the Republic of Guinea for the opportunity to propose our Security Documents Scheme. At AFRiDENTITY Secure Technologies we develop smart technologies that meet a government's individual security needs.

We have established a global presence as specialists in this area, with decades of experience offering state-of-the-art solutions in automated systems for the authentication of people, objects, and documents. We are a tailored organisation to be customer focused and to exceed the most advanced industry quality standards.

- Transferring know-how as well as sharing industry best practices is at the heart of our strategy. Our expertise support governments to enhance their operational efficiency.
- Security as DNA: Security documents integrity can only be guaranteed when they are designed, manufacture and eventually personalised within premises conforming to stringent level of security. From the physical access to the segregation of secure network, we offer to our customers the insurance of an end-to-end secure environment.
- We adopt a flexible approach to security challenges, combining appropriate technologies and innovative solutions to issues that might otherwise be unanticipated. Each of our systems offers a high level of functionality in a format that is easy to use.
- We supply a range of machine-readable security solutions for the authentication of people, objects, and documents. These solutions are tamper proof, secured against the threat of fraud.

Our flagship program is our Combined Expatriate Residence Permit and Alien Card scheme, which provide new and highly secure documents for the identification of foreign residents. We also keep a central database of all foreign national movements into and out of the country, flagging undesirable aliens and maintaining security in the country.

Our secure technologies work has expanded to include development and production of additional smart technologies and documentation, seeing partnerships with governments in different countries.

The purpose of this document is to provide a brief on solutions incorporating the latest global standards in multi-biometrics, including intelligent technologies for international passports, other security documents.



WHAT WE DO

AFRiDENTITY has successful experience in systems integration especially in Africa with secure identification and verification of people and a long track record in the security market as a whole. At AFRiDENTITY, the emphasis is on the bespoke Systems offering a range of features designed to combat specific threats. The payoff for organizations is fourfold:

- Increase in security
- Reduction in maintenance costs
- Improvement on productivity
- Modular design which can be applied to any security application

The AFRiDENTITY upgrade solution, integrating existing advanced technology, already implemented is designed to minimize harassment to travellers not only at boarding gates and immigration gateways, but also for visa and entry clearance requirements at all foreign missions.



OUR SECURE TECHNOLOGIES SOLUTIONS

AFRiDENTITY Technology Division provides a broad range of highly secure documents and ID cards designed to guarantee the reliable and efficient identification of individuals. All our documents comply with the strictest international data protection standards.

Our portfolio of documents includes:

- Driver's Licence, Resident Permit, National ID, Voters Identification ID, Consular ID, Passports, Intelligent Visa System, card- tracking, Border Control System, Breeder Documents
- Secure Document Printing, National Identity Systems, Immigration and Travel Documents (Passports, Resident Permits, Online Visa and Visa Vignette), Accreditation and Access Control
- Authentication Software, Chip Management Systems, Smart Cards, Currency
- Car-Tracking, Vehicle and Drivers Licenses
- Biometrics Research and Development, Facial, Voice, and Palm Recognition Software, National Entry and Exit Point Border Control Systems (Airports, Ports, Borders).



OUR EXPERTISE

The AFRiDENTITY Group is amongst the most experienced independent technology and systems organisations operating in developing countries. Using a network of worldwide partnerships and strategic alliances covering security and system-based product sectors, the Group specialises in taking a project from concept right through to implementation with day to day organisation and management.

The Group has specific project experience namely in the sectors of Identity – Defence - Border Management and Surveillance - National Security Systems - Transaction Systems and Currency. The areas of application of secure solutions are as follows:

- **Civil Roll Systems**

- National Identity Systems
- Immigration & Travel Documents
- Visas, Passports
- Resident Permit / Alien Cards
- Accreditation and Access Control

- **Licensing & Authenticating Systems**

- Vehicle & Trucks
- Vehicle Imports
- Land Property
- Student and Professional Associations

- **Border Control**

- National Entry & Exit Points
- Airports/ Ports / Borders

- **End User Documents**

- Cards
- Documents Paper & Polymer
- Certificates



OUR INNOVATIONS



Of the new technologies that have been perfected, biometric identification technology that is cost effective, scalable and easy to deploy is being adopted at a phenomenally rapid pace and at a growing rate for securing a vast array of vital documents, the prevention of data and identity theft while preventing false aliases.

By using biometric technology to authenticate the individual, governments will be better assured of who is travelling, crossing borders, accessing physical locations, and retrieving sensitive information, applying for Visa's, Permits, etc.

As a result of the high volume of trans border traffic and the problems caused by counterfeit travel documents, face recognition has become the globally accepted biometric standard for intelligent passports to be combined with the additional use of another biometric technology - fingerprint or eye.

For effective measures against "look-a-like" fraud where passports and other documents are illegally shared, governments are turning to biometrics.



OUR SOLUTION for PASSPORTS

Security as DNA: passports integrity can only be guaranteed when they are designed, manufactured and eventually personalized within premises conforming to stringent level of security. As recommended per ICAO and the EU, AFRiDENTITY works with manufacturing sites who are equipped with active defense mechanisms to protect both passports and data integrity. From the physical access to the segregation of secure network, AFRiDENTITY offers to its customers the insurance of an end-to-end secure environment.

Risk awareness: To mitigate risks, the AFRiDENTITY only works with trusted partners supplying critical components of the passports such as security paper and security inks. To further mitigate risks, the AFRiDENTITY has deployed strict raw material accountability to ensure that no scrap is fraudulently used or simply lost.

PASSPORT - COMPLIANCE



Interoperability: passport main purpose is to enable citizens to cross borders. Therefore, interoperability is needing to allow welcoming States control and let individuals enter in their territory based on their passports. In other words, states issuing passports need passports to be based on the same standards in order to be controlled and therefore trusted. The International Civil Aviation Organization (ICAO) publishes the document 9303 drawing the technical specifications for passports.



Privacy: the European Union also played a key role in defining the standards for passports. With the citizen privacy in mind, the introduction of chip in the passports and the use of fingerprints for identification, EU introduced security mechanisms to ensure citizens' data are not captured by unauthorized parties. The EAC protocol was designed to protect citizen data from being read or copied by fraudsters. The EU also mandated all EU state to adopt the SAC mechanism in order to increase the secure access and exchange of sensitive data. The EU defines in detail the minimum characteristics of the travel documents issued by its Members States: National Passports, Laissez-Passer and Visa as an example.

AFRiDENTITY ensures that all passports produced are fully compliant with the latest international recommendations. Continuous efforts are made to ensure passports enhanced security and durability.



PASSPORT - PRODUCTION PROCESS

Conception phase: Passport conception/engineering is the first stage of all passport manufacturing. This stage is made to set the final specifications of the desired passport; hence it is critical. Elements such as data position, customization of security features, delivery dates, packaging details. This phase must be run in close collaboration between the Government and AFRiDENTITY.

Production Environment: passports are manufactured and assembled at main production site. The site answers to the highest security standards. The site is accredited and certified for High Security & Sensitive Data Management. The site is designed and equipped to perform all micro-electronics operations from wire-bonding to personalization.

Passport Manufacturing Process: manufacturing passports require to master a set of complex operations and to integrate properly high-value components such as chips, antenna and high security inks.

Passport Manufacturing Process: AFRiDENTITY has a long-term experience to run these sensitive operations and has integrated the electronic components in its own value chain to offer the most competitive, most durable and the most secure passports.

Supply Chain Security: Substrates used for the manufacturing of passports are specific to the high security industry. The sourcing of security paper is restricted to certified printers. The manufacture of those components can only be done when graphical design is validated. The graphical design developed by AFRiDENTITY, is also adapted to the characteristic of each component. For example, the coat of arms of a country would be adapted to become a watermark and potentially to become a hologram.

Secure Design: The concept phase is to create the graphical design of passports. Graphical design being partly subjective, this phase shall be organized as workshop in order to exchange basic graphical elements, to review proposals and finally to validate the selected designs. The design selected will have impact not only on the printing of the booklet but all components carrying design; namely: inner pages watermark, laminate and potentially other subcomponents such as inks.

Pre-Personalization: the ICAO recommends all passports to be uniquely numbered. Usually, a typographic number is printed on the front end-leaves pages or the back of the Data-page. The unique number recommended by the ICAO enables accurate stock management and improves the transport security between the industrial plant and the personalization offices.



OUR SOLUTION for E-VISA SYSTEM

AFRiDENTITY e-Visa solution, machine-readable documents (ICAO complaint) like passport and incorporate similar security features.

The Intelligent Visa Administration, automates the entire visa issuing process. Increase the ability to manage trans-border movements by foreigners. Provides a full audit trail of traveller movements. Centralized Management via Command Centre. Real Time access and system available 24/7. Efficient collection of funds and centralized account management. The system has a series of security procedures to prevent unauthorized access to confidential information.

The Intelligent Visa Administration offer friendly and easy access to the user.

Online web-based application Advantages

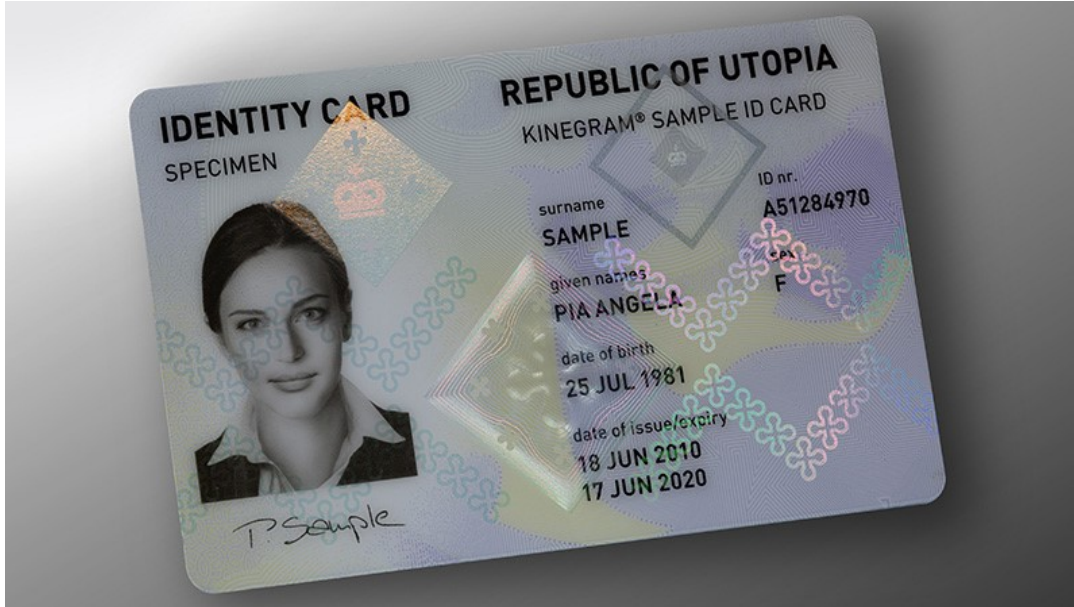
- Visa can be applied from anywhere in the world through internet.
- Easy of obtaining visa from anywhere specially because Guinee does not have an embassy in most countries.
- Each entry into the country would be recorded and stored for tracking. All transactions would be processed and stored at the centralized server and complete tracking of the foreign entry could be obtained from reports.

Online web-based application Benefits

- Having and Online Visa System would project the country as a business friendly as the procedure for entry into the country would be simply and efficient.
- Efficient funds collection & centralized account (all payment would be credited to the account in).
- Absolute accountability in terms of number & type of visa issued.
- Machine readable & secure Visa with state-of-the-art technology.
- Not foreign or illegal entry possible. Offering the best of security to the country.



OUR SOLUTION for RESIDENT PERMIT SCHEME



The Expatriate Resident Permit Scheme provides highly secure documents & biometric-enabled cards, making clear identification for foreign residents simple.

- We offer registration of foreign nationals into a central database; tracking and maintaining their movements within, into, or out of the country.
- Using biometric technology, this enables capture of fingerprints along with demographic details.
- Our turnkey solution enhances border control; using systems to aid secure border management, validating reasons for foreigners stays.
- We offer fast clearance, and detection of false and duplicate identities.
- Our technology enables flagging, blacklists, and audit trails.
- Our solutions control revenue leakage to the state.



OUR PROJECT METHODOLOGY

In order to ensure a successful project implementation, we recommend a pre-deployment consultancy Phase to be done first in order to engage all key stakeholders and gather information.

This will help generate the end-to-end business process development exercise whose intent is to define the process to be used in the ecosystem.

We have the expertise in development and implementation of e-Government Security Document Scheme.

With the advance technology the Government can leverage and proven expertise to develop the system effectively.

YOUR AFRiDENTITY TEAM



AFRiDENTITY