



# Case Study:

## *Population Census of Angola*

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## Project Overview

The project deployed divides the country into over 2 thousand enumeration areas, about 2 000 people each. These areas do the primary processing by BioLink's ISO-compliant (International Standards Organization) algorithms of the enrolled fingerprints and other demographic information obtained by the enumerators.



Then the data is transmitted to the central computing centre, where the population register database is being created.

Enumerators are also biometrically identified to protect citizens' personal information and prevent possible misuses while enrolling and processing it.

Angolans are split into 20 subsets managed by the sex and age factors. Enrollment involves scanning of 3 fingerprints and input of other demographic information. Citizens' fingerprints are captured by **3 200 BioLink U-Match MatchBook Scanners** embedded into the mobile enumeration stations.



## System Implementation

BioLink Solutions has been selected to deliver biometric scanners and world-leading fingerprint matching algorithms operating in the verification (1:1) and identification (1:N) modes and allowing for the template creation in the required format.

Fingerprint templates are generated and transmitted in the ISO-format due to compliance of BioLink's algorithms with the two internationally accepted ISO standards: **ISO/IEC 19794-2** specifying the data format for digital representation of fingerprints, and **ISO/IEC 19794-4** defining the interchange format of finger image data.

BioLink's optical scanners guaranteeing high-quality fingerprint images demonstrated the best score results in all tests and were, therefore, preferred to other offerings. Selected instead of traditional ink scanning, they help significantly increasing the efficiency of enrollment and identification procedures. BioLink's fingerprint matching algorithms that form the core of all identification solutions of the company have a number of international patents and always show proper results in independent biometric tests.



### About BioLink Solutions

BioLink Solutions is a trusted global provider, supplier and expert in biometric identification solutions, systems and professional services.

Employing the best international practices and scientific developments, BioLink is committed to building, deploying and maintaining a full range of award-winning biometric identification and identity management solutions worldwide.

Our solutions are designed for a wide range of IT applications, ranging from home information infrastructures of small- and mid-sized enterprises and commercial businesses to large-scale nationwide identification projects.

For more information please visit [www.biolinksolutions.com](http://www.biolinksolutions.com)