



bio-METRICA

One Identity, Everywhere.

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Bio-Metrica National Identification System - NID™



The National Identification

System - NID™ is a modular system that provides an end-to-end national identity solution. From securely enrolling and identifying citizens using biometrics and smart cards, **NID™** is a scalable from small municipal or corporate implementations, to nationwide identification systems utilizing stationary and portable identification terminals to ensure citizens or employees are who they say they are.

All of this runs on the robust **BII™** architecture, which allows collected information to be shared across multiple applications.

NID™ makes it easy to enroll and identify citizens using biometrics to verify their identity and provide a secure identity card based on AAMVA standards that can be used to verify identity in regions where an online system can be prohibitive. It provides a higher level of security by ensuring people are who they claim to be and are therefore entitled to whatever benefits, information, product, or service they are rightfully entitled to.

NID™ provides a set of functions that allow easy enrollment and identification of citizens:

- Enroll multiple types of biometrics via a variety of devices from different manufacturers.
- Take a high quality picture that can be also used to identify a citizen via facial recognition.
- Maintain a strict log of data that has been entered in the system including enrolled citizens, and citizens that have been already identified at particular ports of entry.
- Keep detailed information of administrators performing verification of citizens and controlling access to system data via a multi-tiered access scheme.
- Provide detailed reports and activity logs of system users and administration staff to prevent abuse of the system.
- Flexible deployment on desktops, mobile systems, or hand held terminals for remote deployments.

NID™ is used by corporations, governments, and other entities which need a robust, secure system to enroll and identify citizens or employees. **NID™** is a customizable system which can be adapted for any organization's needs.

Identification / Verification

After enrolling the citizen, **NID™** makes it easy to confirm their identity. **NID™** uses a variety of methods to identify and verify the identity of a citizen.

There are three types of searches that can be performed.

- **Verification Search (1:1):** An operator can enter biographical information for the citizen in order to locate the specific record.
- **Identification search (1:N, 2:N, 4:N or 10:N):** This method will take a fingerprint and compare it to all other fingerprints in order to find a matching record. In order to minimize the amount of records the search is required to go through, the operator can also enter some combination of a biographical plus biometric trait.
- **Verification by ID Card (1:1):** An operator will insert a citizen's card into a card reader and the system will verify the identity of the citizen against the information stored on the card. This is the fastest method of citizen verification utilizing minimal system resources.

Out of the three, the ID card verification is the most efficient and utilizes the least server resources. It can even be designed to function in an area that does not have easy access to the centralized server.

Investigations

While **NID™** makes it very easy to enroll new citizen, there is always the possibility for people to try and take advantage of a system through the easiest way: Through Operators.

In order to ensure fraudulent data is not in the system, **NID™** runs has two methods of checking newly entered information is both unique and genuine. Both of these searches are run nightly to check new records created during the day.

- **Biometric Duplication Search:** This search method takes each of the enrolled biometrics and compares them against all of the previously enrolled records in the database.
- **Biographic Information Search:** The second search takes the biographical information collected during enrollment and performs a comparison against text entered in other records.

In the Investigations area, results from both of these searches are displayed, and combined to allow investigators to remove fraudulent records as well as identify individuals who are perpetuating the fraud.

Identification Card Management

NID™ can natively manage the issuance and retirement of ID cards used to identify citizens or employees. After enrollment of a new citizen, **NID™** will automatically create a request for a new card and place it into a queue awaiting production. This only happens after operators have fully verified the citizen and all errors have been corrected.



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