

## Crossmatch Solution Secures Access to Military Bases

### NEEDS

- Rapid capture and match of base access credentials
- Intuitive workflow
- Biometric functionality for high-threat scenarios



### CROSSMATCH® PRODUCTS

- Verifier® Sentry Compact Biometric and Credential Reader
- Custom base access application jointly developed by Crossmatch and the customer

### OVERVIEW

Base access is the first line of defense for any military facility. When properly used, strong identity management protocols can prevent breaches and security incidents by denying access to known threats. A division within the United States defense community worked with Crossmatch to increase security by creating a biometrics-based solution that would directly integrate with their database to confirm identity at base checkpoints.

### THE PROBLEM: SLOW SYSTEMS, POOR FUNCTIONALITY

The US defense community had a base access solution which provided identity verification at military bases around the world. The solution was used at base checkpoints to access the credentials of over 40 million service members, dependents, retirees and contract staff through a personnel database.

However, technical issues prevented the system from realizing its full potential. Centralized architectures, inadequate mobile equipment and poor connectivity produced long wait times for results. This in turn created long queues for base access. The existing mobile device did not adequately capture biometrics or information from a Common Access Card (CAC) credential.

As a result, the system was only adopted and actively used by a small number of bases around the world. This US defense customer realized that deploying a new and improved base access solution for the full range of its facilities would require a new biometric mobile identification device.

### CROSSMATCH BASE ACCESS SOLUTION

Crossmatch worked directly with base access personnel and the customer's development team to create a custom solution to rapidly capture and match base access credentials against a distributed database architecture. This new solution consists of an Android application, jointly developed by Crossmatch and the customer, and the Verifier Sentry mobile device. The application offers an intuitive workflow through a new user interface which improves greatly on the previous solution. Crossmatch also constructed a "handgrip" add-on to the Sentry, providing an ergonomic upgrade which allows base access personnel to perform checks quickly.

The Crossmatch solution dramatically shortens the time needed for base access personnel to make a decision on entry. The Sentry also offers the ability to perform fingerprint matching during high threat periods – a capability long desired by the customer.

## BENEFITS

- Fast identity verification at base checkpoints
- Intuitive user interface
- Biometric functionality for high-threat scenarios

## RESULTS

Crossmatch performed two rounds of tests with end users, processing three days' worth of base access traffic with the Sentry running the new Android application. This provided valuable feedback to the hardware and software teams, which further refined the Crossmatch offering to add new features and hone the workflow.

The US defense customer enthusiastically embraced the new solution, which marks a significant improvement over previous hardware and software integrations. When another branch of the military expressed their desire to retain the old solution, Crossmatch provided the new base access solution devices and software for a pilot project. After only a few days of testing, this branch decided to adopt the Crossmatch solution without further delay.

The success of the Crossmatch base access solution is leading to its adoption in parallel use cases. Military police officers who are responsible for roving security patrols along the perimeters and interior areas of bases are now investigating use of the Crossmatch solution for rapid identification purposes, using similar workflows developed for base access personnel.

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## ABOUT CROSSMATCH

Crossmatch helps organizations solve their identity management challenges through biometrics. Our enrollment and authentication solutions are trusted to create, validate and manage identities for a wide range of government, law enforcement, financial institution, retail and commercial applications. Our solutions are designed using proven biometric technologies, flexible enrollment and strong multi-factor authentication software, and deep industry expertise. We offer an experienced professional services capability to assess, design, implement and optimize our identity management solutions for a customer's individual challenges. Our products and solutions are utilized by over 200 million people in more than 80 countries.

Learn more at [www.crossmatch.com](http://www.crossmatch.com).