



CASE STUDY

Real-World Experience

- National ID in Panama
- National ID in Paraguay
- United Nations Aid Distribution in Pakistan and Afghanistan
- Voter ID in Mexico

India: Eliminating Fraud in Benefit Programs

India is turning to technology to facilitate the distribution of government services to its citizens. L-1 has played a vital role in the large-scale implementation of civil identification programs using biometrics in the states of Andhra Pradesh and Orissa. These two successful implementations will now serve as the foundation for India's massive Unique ID (UID) program.

THE CHALLENGE

Fraudulent identity cards cost the government of India billions of dollars and create a disservice to the poor who rely on the Public Distribution System (PDS) for essential commodities at subsidized prices. Compounding the problem, bogus cards are now making their way into other welfare programs including pensions, health insurance, and housing. Another challenge is making existing systems compatible with the UID program.

THE SOLUTION

The UID program is progressing to become the largest civilian identity program in the world, with an enrollment goal of 650 million people during the next several years. The Government of India aims to improve the delivery of federal and state services through the elimination of duplicate identities using fingerprint, and iris biometrics. L-1 plans to play an active technology provider role to UID. L-1 already has extensive operational experience in India from successful biometric deployments in several Indian States where it has collaborated with 4G Identity Solutions, a trusted local partner.

One such successful deployment is in the Andhra Pradesh State (A.P.), an early adopter of biometric technology for civilian identity programs. The A.P. system supports the issuance of PDS cards, a widely used social food ration benefit. It is currently the largest iris identity program in the world with 56 million enrollment records already in the system and 34 million more remaining.

The deployment started five years ago and uses iris recognition as the only biometric. Today, all enrollment offices are equipped with L-1's PIER-T™ device. The backend matching is done with an L-1 iris recognition algorithm, the only algorithm that could sustain the required matching throughput with an acceptable server hardware size. Future plans include the capture of finger and face biometrics for the whole population to meet the UID standards. The pilot for the UID program in the state is underway with L-1 playing a vital role in the initiative.

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The use of biometrics in A.P. was crucial in stopping fraud. Citizens were applying for multiple cards under different names at multiple locations; corrupt operators were issuing multiple cards for their friends to the point where identity fraud consolidators began collecting rations for hundreds of nonexistent people. The fraud was not just limited to the food ration system; other programs where the food card was an acceptable form of ID, such as health insurance, housing and pension, were also affected.

The ongoing iris recognition de-duplication of the database revealed about ten percent of the records were duplicates which were removed from the Food Ration, Pension (6.8 million) and Public Housing (6.4 million) databases. Iris recognition demonstrated high accuracy, with virtually no false alarms which is outstanding given the large size of the database. The failure to enroll rate was virtually zero.

About TouchPrint™ 4100

TheTouchPrint™ 4100 Live Scan adds exceptional image detail and clarity when compared to standard definition systems and incorporates a number of new features designed to enhance usability and performance for both criminal and civil applications.

About PIER-T™

This rugged handheld device works connected to a host PC or laptop, giving you all the power of iris matching in a lower-cost package. Similar to the PIER™ system, the PIER-T™ handles enrollment and matching functions onboard, and is intuitive and easy to use, even in harsh environments.

Other States such as Orissa adopted a different biometric technology strategy. Realizing that the Federal UID program is planned to be iris- and fingerprint-based, they implemented their public distribution systems to be compatible with UID once it becomes operational.

The State of Orissa uses L-1's TouchPrint™ 4100 fingerprint scanners and PIER-T™ iris capture devices to enroll the biometrics of citizens receiving World Food Program benefits. The de-duplication is performed using both biometrics which allows for their direct comparison. From the matching accuracy performance, fingerprints and irises equally demonstrated high performance and the amount of fraud detected by the system is 29% duplicate records.

About L-1 Identity Solutions

L-1 Identity Solutions, Inc. (NYSE: ID), together with its portfolio of companies, offers a comprehensive set of products and solutions for protecting and securing personal identities and assets. Leveraging the industry's most advanced multi-modal biometric platform for finger, face and iris recognition, our solutions provide a circle of trust around all aspects of an identity and the credentials assigned to it -- including proofing, enrollment, issuance and usage. With the trust and confidence in individual identities provided by L-1 Identity Solutions, government entities, law enforcement and border management agencies, and commercial enterprises can better guard the public against global terrorism, crime and identity theft fostered by fraudulent identity. L-1 Identity Solutions is headquartered in Stamford, CT.

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