Faster and more secure turnarounds at airports

Bio-FAST (Biometric Fully Automated Seamless Travel)
As global air travel expands exponentially, NEC has introduced Bio-FAST (Biometric Fully Automated Seamless Travel) to enable faster and more secured turnarounds at airports.

Bio-FAST is an identity management system allowing airline passenger systems, airport control procedures and immigration clearance to come together in a simplified regulatory process.

Our completely automated integrated biometric checks process passengers in just 20 seconds and self-boarding gates are intuitive enough to take just 5 seconds to pass through.

Security is not compromised for speed either, as Bio-FAST has an underlying world-class facial recognition technology that collects further security intelligence.

NEC Bio-FAST provides the ultimate solution at critical travel points:
- Integrated Biometric Clearance (IBC) for automated immigration check
- Self Boarding Gate (SBG) for automated boarding

### 1. Integrated Biometric Clearance (IBC)
**Departure Document Check/Immigration Clearance**

- Scans passport and boarding pass, performs name match and tags passport with seat number.
- Captures live face image, matches to passport or e-passport for confirmation and tags live face image with passport.
- First gate opens for passenger to walk through to perform automated immigration clearance with fingerprint match.

### 2. Self Boarding Gate (SBG)
**Passenger Authentication/Reconciliation**

- Scans boarding pass for passenger reconciliation.
- Captures live face image and matches against photo taken at IBC.
- Logs time stamp and boarding transaction, and deletes face image.
Aviation stakeholders can expect to reap considerable benefits:

- **Faster turnaround**: Increase terminal throughput by up to 15% per annum
- **Enhanced user experience**: Simplified and smoother process for passengers
- **Optimize airport infrastructure and manpower deployment**: Maximize utilization of valuable space and staff
- **Accurate security processes**: Significantly cut down on errors resulting from manual passport verification checks by security agencies

**Key features**

- 100% automated biometric checks with high accuracy and speed
- Matching of live data with passport eliminates pre-registration process
- Serves ALL travelers with a valid passport from ANY country
- Automated and intuitive
- Groundbreaking security intelligence for transit airports

**Benefits**

**Aviation**

- Attract and retain airline customers by providing seamless self-service options
- Accommodate more flights, resulting in more revenue

**Airports**

- Cost reduction of service and operations by providing a range of self-service options to passengers
- Increased loyalty and revenues

**Airlines**

- Better control and flexibility
- Simplified and smoother process
- Faster resolution of problems

**Passengers**

- Attract and retain airline customers by providing seamless self-service options
- Accommodate more flights, resulting in more revenue

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