Imagine the long security line without the “long” part.
ABOUT CLEAR

• CLEAR IS THE LARGEST REGISTERED TRAVELER PROGRAM OPERATING AT U.S. AIRPORTS WITH OVER 250,000 MEMBERS SINCE JUNE, 2005.

• PARTNERSHIPS ARE ESTABLISHED WITH 20 AIRPORTS AND AIRLINES, PLUS MAJOR MARKETING PARTNERS.

• TECHNICAL INTEROPERABILITY IS ACHIEVED WITH ALL CERTIFIED REGISTERED TRAVELER SERVICE PROVIDERS.

• ALL CAPITAL AND OPERATING COSTS ARE SUPPORTED BY VOLUNTARY MEMBERSHIP - NO COST TO TAXPAYERS OR AIRPORTS.
Key Points

Attention to customer service can rapidly speed growth and satisfaction.

Interoperability provides flexibility and encourages stakeholders.

True security benefits are an important part of the service offering.
REGISTERED TRAVELER HISTORY

2004-2005: TSA CONDUCTS LIMITED, GOVERNMENT-SPONSORED RT PILOT PROGRAM

APRIL 2005: ORLANDO INTERNATIONAL AIRPORT ISSUES COMPETITIVE RFP FOR PRIVATE SECTOR KNOWN TRAVELER (PSKT)

JUNE 2005: CLEAR, WINNER OF PSKT CONTRACT, OPENS IN ORLANDO

OCTOBER 2005: WORK BEGINS ON INTEROPERABILITY AND INDUSTRY INPUT INTO FUTURE OF RT IN US

SEPTEMBER 2006: FIRST VERSION OF TECHNICAL SPECIFICATIONS FOR INTEROPERABILITY PUBLISHED

NOVEMBER 2006: TRANSITION FROM ORLANDO PILOT TO NATIONAL, INTEROPERABLE PROGRAM BEGINS

JANUARY 2007: JFK (T7), SJC, IND, AND CVG CLEAR LANES OPEN

JUNE 2007: UNISYS OPENS INTEROPERABLE PROGRAM IN RENO

MAY 2008: UNISYS PURCHASED BY FLO

MAY 2008: ONE MILLION TRIPS MADE THROUGH CLEAR LANES SINCE LAUNCH

JULY 2008: TSA ENDS PILOT AND ENCOURAGES CONTINUED EXPANSION OF PRIVATE SECTOR MODEL
REGISTERED TRAVELER AIRPORTS

- SALT LAKE CITY
- SAN FRANCISCO
- OAKLAND
- SAN JOSE
- LOS ANGELES
- RENO
- DAYTON
- BALTIMORE
- INDIANAPOLIS
- CINCINNATI
- LOUISVILLE
- ATLANTA
- JACKSONVILLE
- ORLANDO
- GULFPORT-BILOXI
- LITTLE ROCK
- WESTCHESTER
- NEWARK
- JFK
- ALBANY
- BOSTON

- REGISTERED TRAVELER AIRPORTS
- COMING SOON
How Clear Works

1. Online Enrollment
   - www.flyclear.com

2. In-Person Enrollment

3. Identity Verification and Vetting

4. Card Production and Fulfillment

5. Verification at the Clear Lane
Top Frequent Flier Frustrations:

- Long lines
- Inability to predict the wait
- Poor customer service

The Clear Solution:

- Members get through in 1 to 5 minutes.
- Members get a consistent, predictable experience at every Clear airport.
- Clear concierge attendants help travelers move faster through the checkpoint.
INTEROPERABILITY: OPEN TECHNOLOGY STANDARDS

FINGERPRINTS
- TEN SLAP PRINTS AT ENROLLMENT
- FOUR FINGERPRINTS ON RT CARD - INCITS 378-2004

IRIS
- OPTIONAL CAPTURE
- RECTILINEAR FORMAT FOR ENROLLMENT AND STORAGE AT CIMS
- UNSEGMENTED POLAR IMAGE FORMAT FOR RT CARD
- COMPLIANT WITH ISO/IEC 19794-6:2005

FACIAL PHOTO
- ANSI INCITS 385-2004
- ISO/IEC 15444 JPEG 2000 IMAGE CODING SYSTEM
- STORED ON CARD, BUT NOT USED FOR AUTHENTICATION

SMART CARD
- US REAL ID ACT FOR TRANSPORTATION IDENTIFICATION
- ISO/IEC 7810, 10373-1, ANSI INCITS 322-2002
RTIC Technical Interoperability Specification

- Introduction & Overview
- Concept of Operations
- Biometric Data Management & Use
- System Messaging
- RT Card Model
- System Security
- Conformance Testing Principles

www.rtconsortium.org
SECURITY BENEFITS:
CLEAR CARD WITH ENHANCED SECURITY FEATURES

Features added to deter forgery and counterfeiting, promote confidence in the authenticity of the card and facilitate detection of fraudulent cards.

In June, 2008, DHS accepted CLEAR as a secure identification card issued consistent with DHS standards.

Working towards harmonization with REAL ID Act requirements.

TSA changing Travel Document Checker policies to accept CLEAR card into the list of accepted documents at all airport checkpoints.
SECURITY BENEFITS: 
ADVANTAGES FOR AIRPORTS

As more travelers join Clear, the percentage of pre-screened, low risk fliers going through security increases.

With lower risk travelers removed from general security, resources can be better allocated.

Technology innovations can lead to process improvements with high returns on throughput and no investment of capital.
SECURITY BENEFITS: VERIFICATION KIOSK WITH SHOE-SCANNING TECHNOLOGY

1. Iris camera
2. Receipt Printer
   Instructs member on required divesting and communicates alerts to TSA
3. Clear card reader
4. Itemiser
   Uses finger sampling technology to detect trace explosives. For future benefits.
5. Fingerprint reader
6. Shoe Scanner
   Can detect both explosives and metal below the knee. For future benefits.
ATTENTION TO CUSTOMER SERVICE CAN RAPIDLY SPEED GROWTH AND SATISFACTION.

INTEROPERABILITY PROVIDES FLEXIBILITY AND ENCOURAGES STAKEHOLDERS.

TRUE SECURITY BENEFITS ARE AN IMPORTANT PART OF THE SERVICE OFFERING.
POINT OF CONTACT

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CHIEF TECHNOLOGY OFFICER

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600 THIRD AVENUE, 10TH FLOOR
NEW YORK, NY 10016

212-332-6317

JSLIBECK@VERIFIEDIDPASS.COM

WWW.FLYCLEAR.COM
Online Enrollment

- Provide payment information
- Enter Biographic information required by TSA
STEP TWO OF ENROLLMENT: IN AIRPORT OR MOBILE ENROLLMENT STATIONS

- During in-person enrollment, a Clear attendant validates the Clear applicant’s passport and driver’s license, captures images of his or her biometrics, and takes a photo.

- Clear works with the airport or airline to identify appropriate and convenient locations for the Clear enrollment stations.

- Clear has set up convenient mobile enrollment station locations in major metropolitan areas.

- Clear provides mobile teams for convenient enrollment at offices and businesses.
Fly through airport security.

IRIS AND FINGERPRINT CAPTURE AT ENROLLMENT
The Clear card is inserted into the kiosk and the member is prompted to present either a fingerprint or iris image. The “primary biometric” that members use for identity verification is selected by the member during enrollment.
CLEAR ENROLLMENT KIOSK

- Iris Image Camera: Panasonic BM-ET330
- Photo Camera: Logitech Quickcam Pro 4000
- Viisage iA-thenticate Document Scanner
- Touch Screen Display
- 10-Print Fingerprint Reader: Cross Match ID500
- Single Fingerprint Reader: Cross Match Verified 300 LC
- Canon Flat Bed Scanner
- Receipt Printer
FLY THROUGH AIRPORT SECURITY

IDENTITY VERIFICATION KIOSK

1. Iris camera

2. Receipt Printer
   Instructs member on required divesting and communicates alerts to TSA

3. Clear card reader

4. Fingerprint reader
TECHNICAL SPECIFICATIONS - TSA SPCS

SPCS

• Security, Privacy and Compliance Standards for Sponsoring Entities and Service Providers

• Provides prospective Sponsoring Entities and Service Providers a comprehensive description of TSA's standards for:
  o RT Information Systems: Standards for securing information systems transmitting and or holding RT participant data
  o Enrollment/ Verification: Process-specific standards for establishing internal controls over participant enrollment and verification.
  o Ongoing Compliance: Detailed procedures for demonstrating compliance with the standards.