(b)(7)(E) Passport Model | (b)(7)(E)

U.S. Customs and Border Protection

OVERVIEW

Background

- Passports are a critical tool in ensuring lawful and compliant travel to the U.S.
- (b)(7)(E)

Challenge

- (b)(7)(E)

Response

- (b)(7)(E)

HIGHLIGHTS

- (b)(7)(E)

PERFORMANCE

(b)(7)(E)

SPECIFICATIONS

Technical Composition

- (b)(7)(E)

Passport Validity Predictors

- (b)(7)(E)

RECENT UPDATES

- (b)(7)(E)

(b)(7)(E) Passport Model | (b)(7)(E)

U.S. Customs and Border Protection

OVERVIEW

Background

- Passports are a critical tool in ensuring lawful and compliant travel to the U.S.
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Challenge

- (b)(7)(E)

Response

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HIGHLIGHTS

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(b)(7)(E)

SPECIFICATIONS

Technical Composition

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Passport Validity Predictors

(b)(7)(E)

RECENT UPDATES

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(b)(7)(E)

PERFORMANCE

(b)(7)(E)

CBP-FO-2025-037989-000002

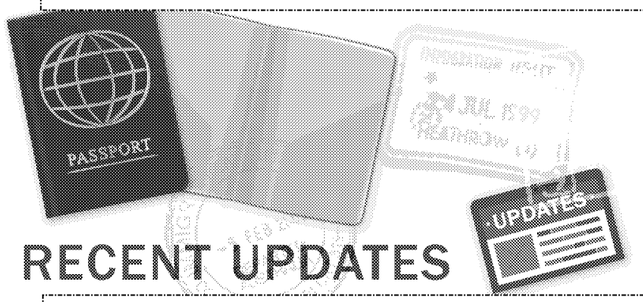
(b)(7)(E) Passport Model (b)(7)(E)

U.S. Customs and Border Protection

OVERVIEW

Background

- Passports are a critical tool in ensuring lawful and compliant travel to the U.S.
- (b)(7)(E)



RECENT UPDATES

- (b)(7)(E)

Challenge

- (b)(7)(E)

Response

- (b)(7)(E)

HIGHLIGHTS

- (b)(7)(E)

SPECIFICATIONS

Technical Composition

- (b)(7)(E)

Passport Validity Predictors

- (b)(7)(E)

PERFORMANCE

(b)(7)(E)

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CBP-FO-2025-037989-000003

(b)(7)(E) Passport Model | (b)(7)(E)

U.S. Customs and Border Protection

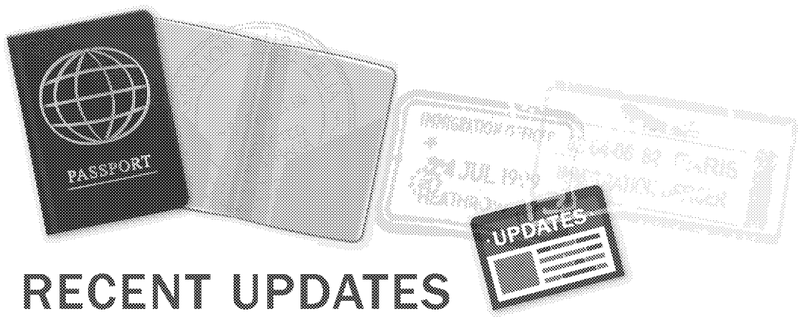
OVERVIEW

Background

- Passports are a critical tool in ensuring lawful and compliant travel to the U.S.
- (b)(7)(E)

Challenge

- (b)(7)(E)



RECENT UPDATES

- (b)(7)(E)

Response

- (b)(7)(E)

HIGHLIGHTS

- (b)(7)(E)

SPECIFICATIONS

Technical Composition

- (b)(7)(E)

Passport Validity Predictors

- (b)(7)(E)

PERFORMANCE

(b)(7)(E)

CBP-FO-2025-037989-000004

(b)(7)(E) Passport Model | (b)(7)(E)

U.S. Customs and Border Protection

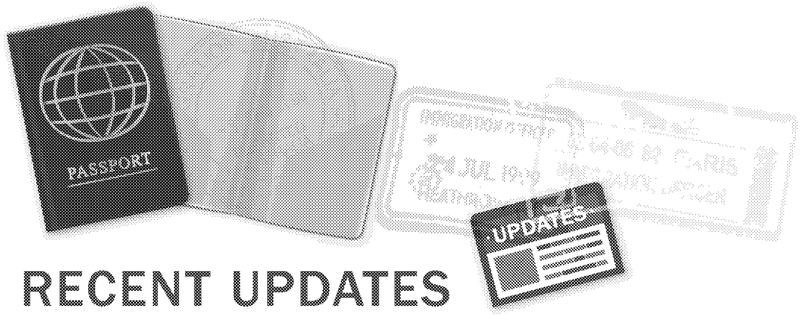
OVERVIEW

Background

- Passports are a critical tool in ensuring lawful and compliant travel to the U.S.
- (b)(7)(E)

Challenge

- (b)(7)(E)



RECENT UPDATES

- (b)(7)(E)

Response

- (b)(7)(E)

HIGHLIGHTS

- (b)(7)(E)

SPECIFICATIONS

Technical Composition

- (b)(7)(E)

Passport Validity Predictors

- (b)(7)(E)

PERFORMANCE

(b)(7)(E)

CBP-FO-2025-037989-000005

(b)(7)(E) Passport Model | (b)(7)(E)

U.S. Customs and Border Protection

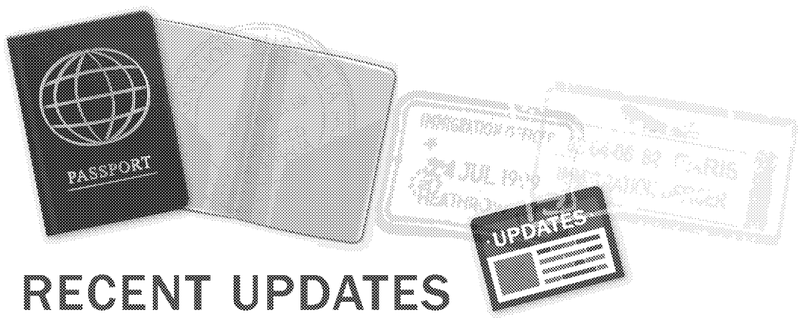
OVERVIEW

Background

- Passports are a critical tool in ensuring lawful and compliant travel to the U.S.
- (b)(7)(E)

Challenge

- (b)(7)(E)



RECENT UPDATES

- (b)(7)(E)

Response

- (b)(7)(E)

HIGHLIGHTS

- (b)(7)(E)

SPECIFICATIONS

Technical Composition

- (b)(7)(E)

Passport Validity Predictors

- (b)(7)(E)

PERFORMANCE

(b)(7)(E)

CBP-FO-2025-037989-000006

(b)(7)(E) Passport Model (b)(7)(E)

U.S. Customs and Border Protection

OVERVIEW

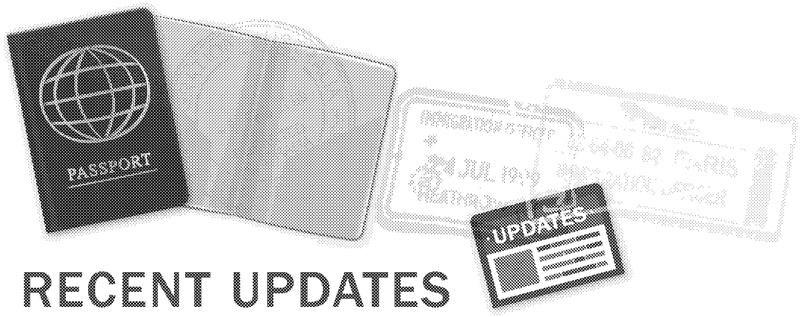
Background

- Passports are a critical tool in ensuring lawful and compliant travel to the U.S.

(b)(7)(E)

Challenge

(b)(7)(E)



RECENT UPDATES

(b)(7)(E)

Response

(b)(7)(E)

HIGHLIGHTS

(b)(7)(E)

SPECIFICATIONS

Technical Composition

(b)(7)(E)

Passport Validity Predictors

(b)(7)(E)

PERFORMANCE

(b)(7)(E)

CBP-FO-2025-037989-000007

(b)(7)(E) Passport Model | (b)(7)(E)

U.S. Customs and Border Protection

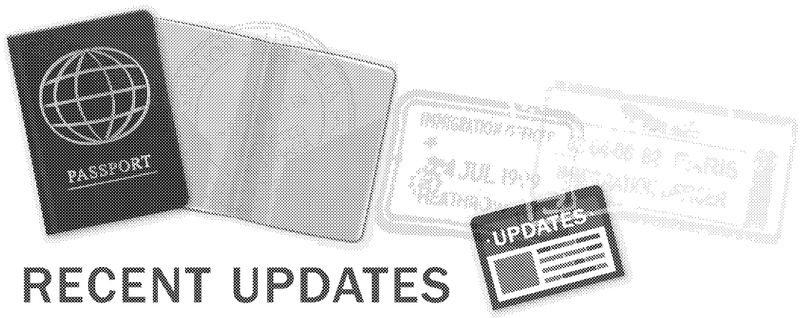
OVERVIEW

Background

- Passports are a critical tool in ensuring lawful and compliant travel to the U.S.
- (b)(7)(E)

Challenge

- (b)(7)(E)



RECENT UPDATES

- (b)(7)(E)

Response

- (b)(7)(E)

HIGHLIGHTS

- (b)(7)(E)

SPECIFICATIONS

Technical Composition

- (b)(7)(E)

Passport Validity Predictors

- (b)(7)(E)

RECENT UPDATES CONT'D

- (b)(7)(E)

PERFORMANCE

(b)(7)(E)

CBP-FO-2025-037989-000008

(b)(7)(E) Passport Model | (b)(7)(E)

U.S. Customs and Border Protection

OVERVIEW

Background

- Passports are a critical tool in ensuring lawful and compliant travel to the U.S.
- (b)(7)(E)

Challenge

- (b)(7)(E)

RECENT UPDATES

- (b)(7)(E)

Response

- (b)(7)(E)

HIGHLIGHTS

- (b)(7)(E)

SPECIFICATIONS

Technical Composition

- (b)(7)(E)

Passport Validity Predictors

- (b)(7)(E)

RECENT UPDATES CONT'D

- (b)(7)(E)

PERFORMANCE

(b)(7)(E)

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CBP-FO-2025-037989-000009

(b)(7)(E) Passport Model | (b)(7)(E)

U.S. Customs and Border Protection

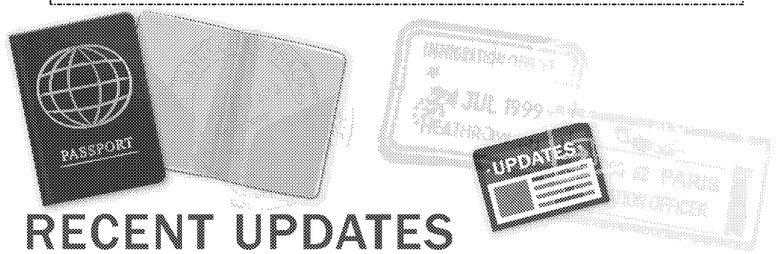
OVERVIEW

Background

- Passports are a critical tool in ensuring lawful and compliant travel to the U.S.
- (b)(7)(E)

Challenge

- (b)(7)(E)



RECENT UPDATES

- (b)(7)(E)

RECENT UPDATES CONT'D

- (b)(7)(E)

Response

- (b)(7)(E)

HIGHLIGHTS

- (b)(7)(E)

SPECIFICATIONS

Technical Composition

- (b)(7)(E)

Passport Validity Predictors

- (b)(7)(E)

PERFORMANCE

(b)(7)(E)

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CBP-FO-2025-037989-000010

(b)(7)(E) ePassport Model | (b)(7)(E)

U.S. Customs and Border Protection

OVERVIEW

Background

- Passports are a critical tool in ensuring lawful and compliant travel to the U.S.
- (b)(7)(E)

Challenge

- (b)(7)(E)

Response

- (b)(7)(E)

SPECIFICATIONS

Technical Composition

- (b)(7)(E)

Passport Validity Predictors

- (b)(7)(E)

PERFORMANCE

(b)(7)(E)

HIGHLIGHTS

(b)(7)(E)

RECENT UPDATES

(b)(7)(E)

CBP-FO-2025-037989-000011

(b)(7)(E) Passport Model (b)(7)(E)

U.S. Customs and Border Protection

OVERVIEW

Background

- Passports are a critical tool in ensuring lawful and compliant travel to the U.S.
- (b)(7)(E)

Challenge

- (b)(7)(E)

Response

- (b)(7)(E)

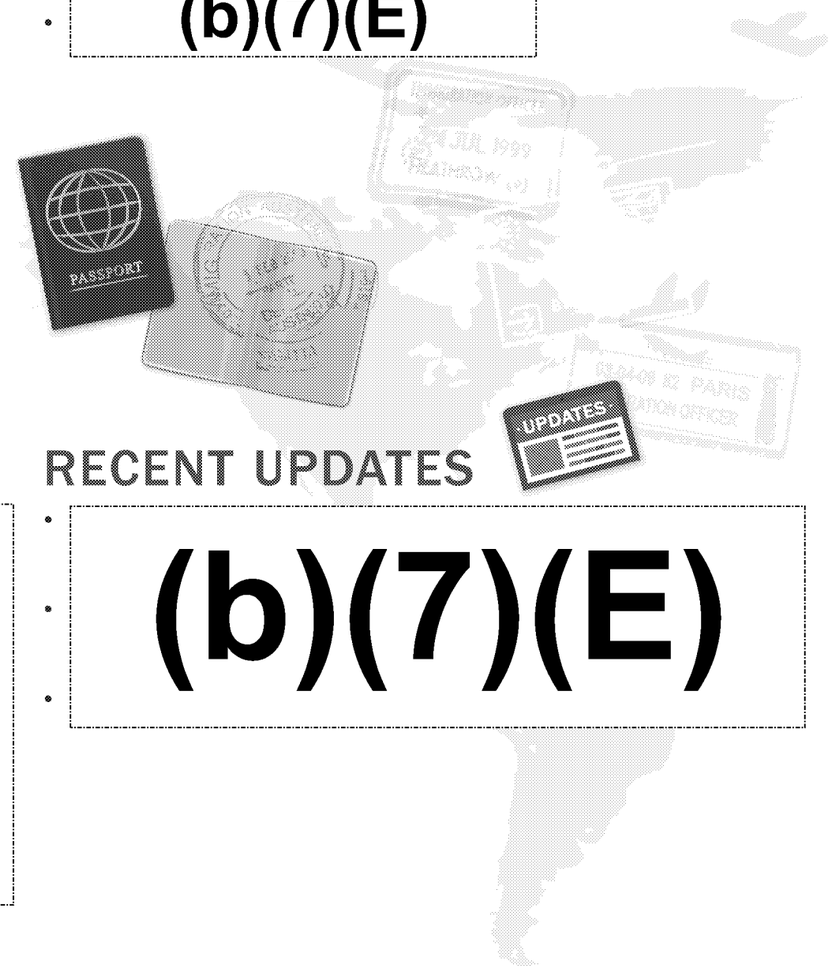
SPECIFICATIONS

Technical Composition

- (b)(7)(E)

Passport Validity Predictors

- (b)(7)(E)



HIGHLIGHTS

- (b)(7)(E)

RECENT UPDATES

- (b)(7)(E)

PERFORMANCE

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CBP-FO-2025-037989-000012

Targeting and Analysis Systems Program Directorate (TASPD)

(b)(7)(E) Passport Model (b)(7)(E)

U.S. Customs and Border Protection

OVERVIEW

Background

- Passports are a critical tool in ensuring lawful and compliant travel to the U.S.
- (b)(7)(E)

Challenge

- (b)(7)(E)

Response

- (b)(7)(E)

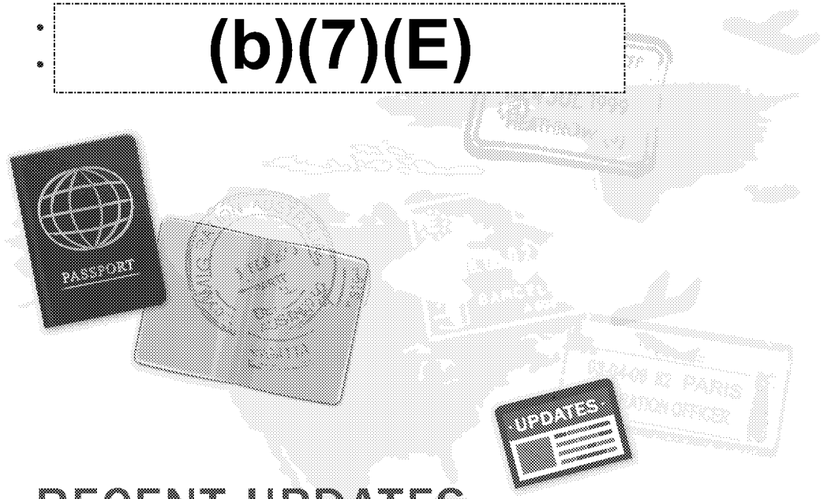
SPECIFICATIONS

Technical Composition

- (b)(7)(E)

Passport Validity Predictors

- (b)(7)(E)



PERFORMANCE

(b)(7)(E)

HIGHLIGHTS

(b)(7)(E)

RECENT UPDATES

(b)(7)(E)

Targeting and Analysis Systems Program Directorate (TASPD)

(b)(7)(E) Passport Model | (b)(7)(E)

U.S. Customs and Border Protection

OVERVIEW

Background

- Passports are a critical tool in ensuring lawful and compliant travel to the U.S.
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(b)(7)(E)

Challenge

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Response

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SPECIFICATIONS

Technical Composition

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Passport Validity Predictors

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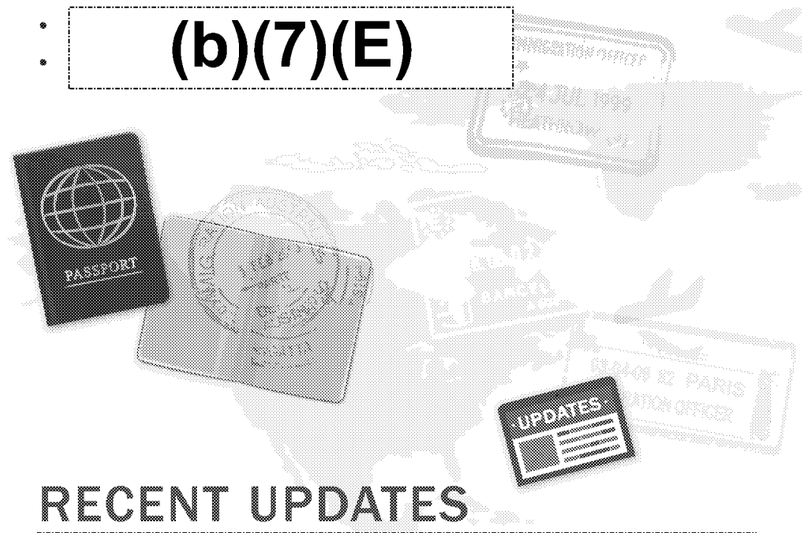

PERFORMANCE

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HIGHLIGHTS

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RECENT UPDATES

(b)(7)(E)

Targeting and Analysis Systems Program Directorate (TASPD)

(b)(7)(E) Passport Model | (b)(7)(E)

U.S. Customs and Border Protection

OVERVIEW

Background

- Passports are a critical tool in ensuring lawful and compliant travel to the U.S.
- (b)(7)(E)

Challenge

- (b)(7)(E)

Response

- (b)(7)(E)

HIGHLIGHTS

- (b)(7)(E)

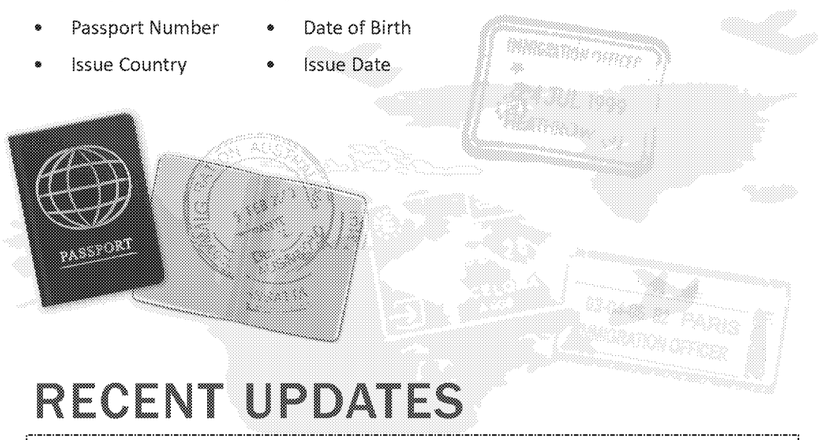
SPECIFICATIONS

Technical Composition

- Ensemble model framework integrating: logistic regression, conditional probability, date range, and association rules
- A unique ensemble model exists for each of the 64 passport models
- The model uses passport data from Automated Targeting System-Passenger (ATS-P), electronic chip (eChip) data, and Visa

Passport Validity Predictors

- Passport Number
- Issue Country
- Date of Birth
- Issue Date



RECENT UPDATES

(b)(7)(E)

PERFORMANCE

(b)(7)(E)

Targeting and Analysis Systems Program Directorate (TASPD)

(b)(7)(E) Passport Model | (b)(7)(E)

U.S. Customs and Border Protection

OVERVIEW

Background

- Passports are a critical tool in ensuring lawful and compliant travel to the U.S.
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- (b)(7)(E)

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- (b)(7)(E)

SPECIFICATIONS

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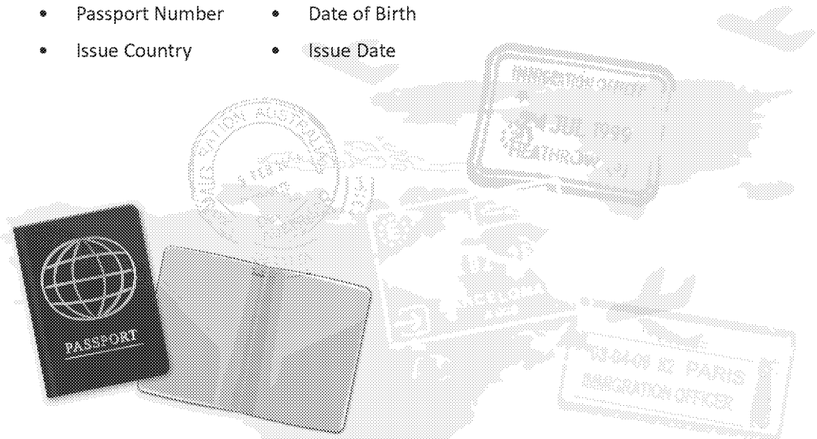

PERFORMANCE

(b)(7)(E)

HIGHLIGHTS

- (b)(7)(E)

RECENT UPDATES

(b)(7)(E)

Targeting and Analysis Systems Program Directorate (TASPD)

(b)(7)(E) ePassport Model | (b)(7)(E)

U.S. Customs and Border Protection

OVERVIEW

Background

- Passports are a critical tool in ensuring lawful and compliant travel to the U.S.
- (b)(7)(E)

Challenge

- (b)(7)(E)

Response

- (b)(7)(E)

SPECIFICATIONS

Technical Composition

- (b)(7)(E)

Passport Validity Predictors

- (b)(7)(E)

PERFORMANCE

(b)(7)(E)

HIGHLIGHTS

- (b)(7)(E)

RECENT UPDATES

- (b)(7)(E)

Targeting and Analysis Systems Program Directorate (TASPD)

(b)(7)(E) ePassport Model | (b)(7)(E)

U.S. Customs and Border Protection

OVERVIEW

Background

- Passports are a critical tool in ensuring lawful and compliant travel to the U.S.
- (b)(7)(E)

Challenge

- (b)(7)(E)

Response

- (b)(7)(E)

SPECIFICATIONS

Technical Composition

- (b)(7)(E)

Passport Validity Predictors

- (b)(7)(E)

PERFORMANCE

(b)(7)(E)

HIGHLIGHTS

- (b)(7)(E)

RECENT UPDATES

- (b)(7)(E)

Targeting and Analysis Systems Program Directorate (TASPD)

(b)(7)(E) Passport Model | (b)(7)(E)

U.S. Customs and Border Protection

OVERVIEW

Background

- Passports are a critical tool in ensuring lawful and compliant travel to the U.S.
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Challenge

- (b)(7)(E)

Response

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SPECIFICATIONS

Technical Composition

- (b)(7)(E)

Passport Validity Predictors

- (b)(7)(E)

PERFORMANCE

(b)(7)(E)

HIGHLIGHTS

- (b)(7)(E)

RECENT UPDATES

- (b)(7)(E)

Targeting and Analysis Systems Program Directorate (TASPD)

(b)(7)(E) Passport Model | (b)(7)(E)

U.S. Customs and Border Protection

OVERVIEW

Background

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SPECIFICATIONS

Technical Composition

- (b)(7)(E)

Passport Validity Predictors

- (b)(7)(E)

PERFORMANCE

(b)(7)(E)

HIGHLIGHTS

- (b)(7)(E)

RECENT UPDATES

- (b)(7)(E)