EINSTEIN

ENHANCING EUROPEAN IDENTITY AND DOCUMENT SECURITY AND FRAUD DETECTION

ABOUT EINSTEIN

Ensuring security of identity management and identity and travel documents are challenges for police and border authorities.

EINSTEIN's aims to significantly expand existing physical and digital (phygital) identity checks, privacy-preserving identity management and fraud detection capability.

EINSTEIN OBJECTIVES

- Create novel applications suite for border and police authorities to enhance phygital identity checks across the whole identity lifecycle
- Improve core technologies in phygital identity credentials' enrolment, management and checks
- Integrate known and new end-user needs into applications' design for addressing demanding use cases in a wide range of environments
- Evaluate applications' performance and ensure acceptability by all stakeholders
- Implement measures toward rapid take up of EINSTEIN's outcomes.

NEW APPLICATIONS

EINSTEIN will develop, deploy and evaluate 6 interoperable applications addressing the whole identity lifecycle and applicable to a wide range of use cases and environments

LATEST TECH

Applications integrate state-of-the-art technologies for secure identity creation, protection & management, document fraud detection and identity verification on-the-fly

DEPLOYMENT

Applications will undergo extensive technical and user acceptance tests and undergo rigorous ethical and legal impact assessments

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AI ETHICS

EINSTEIN CHALLENGE AND APPROACH

Today's threat landscape in the increasingly digitalised border management and law enforcement domains is becoming ever more complex. Fraudulent documents have significantly increased, enabling cross-border crime. Major geopolitical events have motivated criminals to blend in with refugees entering the EU/Schengen area using fake documents.

Strengthening law enforcement and border authority capabilities is key to tackling organized crime and terrorism. In particular, improving police-border cooperation to enhance security, reliability, and identity checks across air, sea and land borders, including inland and online, is considered a priority.

TARGETED FIELD TESTS

EINSTEIN will validate user requirements and demonstrate developed technologies at three different field tests locations at European borders under realistic operational conditions. The field tests/trials will be directly supported by practitioners (border and police authorities):

- **Netherlands**: Field test and trial focusing on authentication of travel and breeder documents
- **Greece/Bulgaria**: Field test and trial at the Greece/Bulgaria border focusing on police mobile identity checks and pre-registration for travellers at land borders
- **UK**: Field test and trial operated focusing on online ID-document issuance and fast track biometric corridor.

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