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SAFE TRAVELLERS

SECURE AND FRICTIONLESS IDENTITY FOR EU AND THIRD COUNTRY NATIONAL CITIZENS

A HORIZON EUROPE RESEARCH PROJECT FOR NEW BORDER CROSSING EXPERIENCE COMBINING:

A NOVEL WAY OF CITIZEN IDENTIFICATION based on multi-modal biometrics

IMPROVED IDENTITY VERIFICATION for Border Authorities and LEAs, based on novel mechanisms to detect identity & travel document fraud and attacks on biometric systems

CONCEPT

SafeTravellers will a unique platform based on several ground-breaking technologies that will assist Border Authorities and Law Enforcement Agencies in accurately identifying and verifying European Union and Third Country National citizens through biometrics at EU borders while securing identity & travel documents and combatting identity fraud.

Technologies should reach Technology Readiness Level 7 by the end of the project (working models demonstrated in controlled environments).

1 **FRICTIONLESS BORDER CROSSING**
for travellers

2 **STRENGTHENED BORDER SECURITY**
for citizens

3 **IMPROVED EFFICIENCY**
for Border Authorities and LEAs

OBJECTIVES

1 **EMPOWER** Border Authorities and Law Enforcement Agencies with a coherent framework to improve identity management and travel documents, enhancing the security, performance and comfort of the border checks for both practitioners and citizens.

2 **INTRODUCE** new capabilities for security practitioners for identifying citizens through the fusion of multiple biometrics in a privacy-preserving and secure manner, overcoming current limitations of identity documents such as multiple identities.

3 **IMPROVE** the security of existing identity and travel documents to combat identity document fraud, while equipping security practitioners with a novel solution to defend against the current and future document, biometric and hardware attacks.

4 **VALIDATE** the SafeTravellers framework in four distinct yet complementary validation campaigns in all available landscapes (sea, air, land and train) with the active engagement and training of the security practitioners.

5 **MAXIMISE** the project outreach, ensuring the sustainability during and beyond the project duration, facilitating the rapid uptake of the SafeTravellers framework, and contribute to existing standards and identity strategies.

COMPLIANCE

SafeTravellers is compliant with existing and upcoming EU regulation. The solution adheres to ethical standards, is compliant with the General Data Protection Regulation (GDPR) and Artificial Intelligence Act, and incorporates privacy-preserving mechanisms like homomorphic encryption to safeguard citizens' biometric data.