

About MobilePass

MobilePass will focus on research and development towards technologically advanced mobile equipment at land border crossing points. This will allow border control authorities to check European, visa-holding and frequent third country travellers in a comfortable, fast and secure way. The mobile solution incorporates new technologies needed in mobile scenarios and embeds them in the actual border crossing workflow to speed up control procedures.

MobilePass brings together system- and component producers, research institutions and governmental authorities. The entire innovation process, from components development to the integration into an efficient workflow will continuously be evaluated by border guard authorities.

Facts

Project start: **01.05.2014**
Project duration: **30 Months**
Funding: **EU FP7 Security**
Coordinator: **AIT Austrian Institute of Technology**
Consortium: **11 Partners**
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Visit our [WEBSITE](#) for further information.



Scope & Challenges

Promoting both security *and* mobility within the EU Border control is a major challenge for member states border control authorities. Travellers request a minimum delay and a convenient, non-intrusive border crossing, while border guards must fulfil their obligation to secure the EUs borders against illegal immigration, terrorisms, crime and other threats.

The MobilePass development process addresses both requirements with equal emphasis, keep security at the highest level while increasing the speed and the comfort for all legitimate travellers at land border crossing points. Aspects of a fast border crossing by legitimate travellers are

- a reliable and convenient capture of biometric and passport data
- dependable, secure wireless data transfer,
- and a modular mobile equipment optimized to the border control workflow.

Improved traveller identification technologies, such as contactless fingerprint capture and advanced mobile facial capture will increase the security, minimise spoofing and evasion, while making the control less cumbersome for passengers. A system evaluation and demonstration will be done in two different member states. Compliance with European societal values and citizens' rights is central to the acceptance of the developed technologies, and will accompany the development throughout the project.

Technical Objectives of the project:

MobilePass will develop technological advanced mobile equipment for border control authorities. The MobilePass approach will be advanced in technology beyond state-of-the-art in:

- contactless fingerprint scanning
- communication reliability, security and speed
- full-page e-Passport scanning
- cooperative and fast face capturing and verification

The consortium will develop electronics and algorithms embedded in a trusted platform module with secure boot mechanisms and remote attestation capabilities.

Data Protection within the project:

A major importance is given to privacy and Data Protection concerns within MobilePass. All the research work is compliant with the national and european confidentiality requirements. The Consortium also designed a Consent Form for the biometric and passport data collection, that the volunteers will have to fill in during the upcoming testing phases of the project.

Meet MobilePass Consortium (upcoming events)

2nd Industrial Surveillance Day at IEEE AVSS 2015	Aug 25-28, 2015	Karlsruhe, Germany	Go to Event Website
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EAB Research Project Conference	Sept. 7-8, 2015	Darmstadt, Germany	Go to Event Website
European Intelligence and Security Informatics Conference (EISIC) 2015	Sept. 7-9, 2015	Manchester, UK	Go to Event Website
Biometrics 2015	Oct. 13-15, 2015	London, UK	Go to Event Website

MobilePass Partners



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