



MobilePass

www.mobilepass-project.eu

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Project Facts

Funding Scheme:
EU Security Call, 7th Framework Programme

Topic: SEC-2012.3.2-3:
Mobile Equipment at land border crossing points

Type: CP – Capability Project

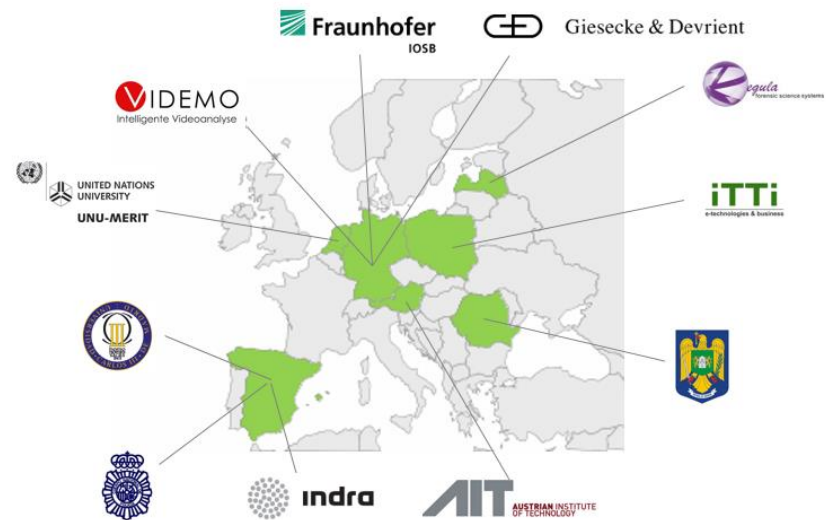
Duration 2.5 Years

Start: 2014, Q2

Budget: ~ 4.2 M€

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Website: www.mobilepass-project.eu



The Problem

- Control of border crossings at EU/Schengen-borders
- Where stationary systems can't be used
 - Cars, busses, trains
 - Control in the outback, manhunt
 - Additional mobile systems at airports
- Requirements of the EU tender:
 - Better technical equipment
 - Mobile equipment for identity check
 - Secure wireless transmission
 - Optimized workflow for officers
 - Respect legal, ethical and social factors
 - Increase of security and passenger flow

MobilePass

A

secure, (TPM, re-engineering, certificates, remote attestation, access control)

modular, (embedded hardware, used only as a scanner, interfaces, API´s)

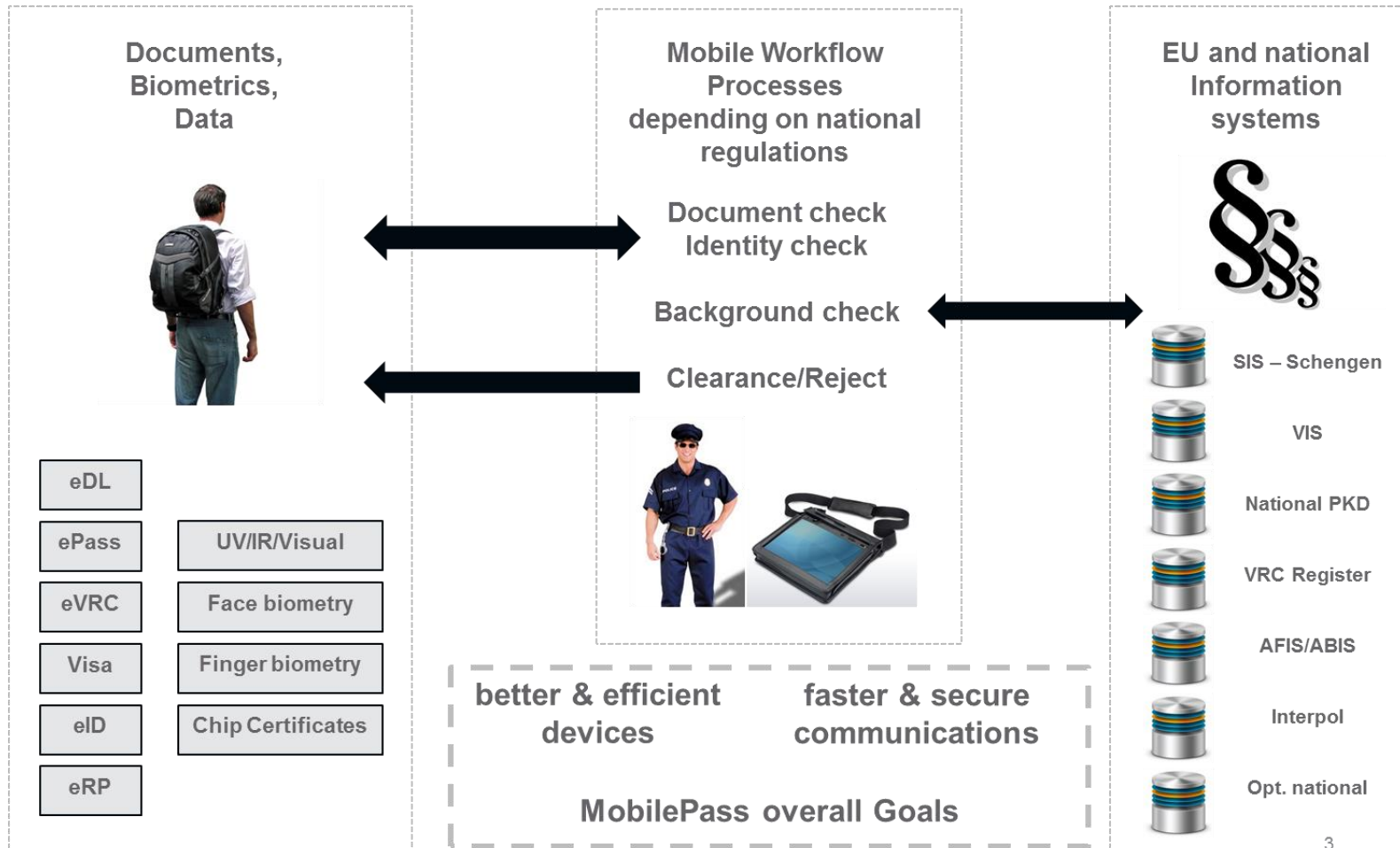
distributed, (communication, wireless, WIMAX/3G/4G, VIS, SIS, certificate stores)

and mobile (usability, battery, robustness, HMI, requirements)

border control solution (processes, workflows)

for European land border crossing points.

Overview



Status now

- While there are advances in ABC systems, mobile solutions lag behind
- Partial mobile solutions available
- No practical & fast mobile fingerprint scanners
- No real mobile face biometrics verification system
- No mobile full page document scanners
- Reliable, fast & secure data transmission to information systems is to be improved
- Technical challenges:
 - robustness & handling
 - adaptable
 - speed
 - IT-security



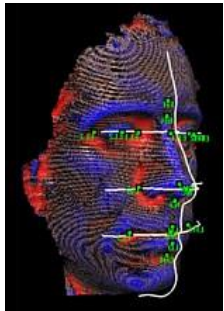
Modular System Architecture

Objective: 1

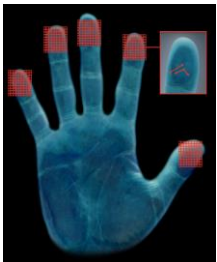
Objectives for MobilePass:



Fast, Mobile
UV/IR, fullpage
Passport scanner



Fast, Mobile
face verification
camera



Fast, Mobile,
contactless
fingerprint
scanner/camera

**Advanced Components,
Objectives: 2,3,4**



Terminal Devices

**Information
systems**



**Fast, Reliable, Secure
communication
Objective: 5**

Device approach



This project has received funding from the European Union's Seventh Framework Programme for research, technological development and demonstration under grant agreement No 608016

The “optimal” Device ?



Display,
Communication &
Control Unit



Face capture unit



Fullpage passport
scanning



Fingerprint capture unit



Vehicle Identification
Number