



79th INTERPOL General Assembly Doha, Qatar, 8-12 November 2010

EDAPS

CONSORTIUM



**delivers state-of-the-art
security technologies
for strategic partnership**

Yuriy Shostak
Deputy Chairman of the Board
International Strategy & Development



EDAPS Consortium – a corporate structure created to deliver turnkey e-government solutions



STATE CENTER FOR DOCUMENTS
PERSONALIZATION of the Ministry
of Interior of Ukraine
Personalization of identification
documents



KP VTI JSC.
Development, implementation and
maintenance of automated systems,
software and databases



Specialized Enterprise
HOLOGRAPHY Ltd.
Development, manufacture and
implementation of holographic security
elements



POLLY-SERVICE Ltd.
Personalization solutions and
integration



INCOM Corporation
IT integration



ZNAK Ltd.
Manufacture of plastic cards and
plastic-based (including
polycarbonate) identification
documents



COMMERCIAL
INDUSTRIAL BANK Ltd.
Project Financing



Printing Plant ZORYA
Manufacture of secure printed
products and blanks



3 – T Ltd
Software development, database
operations



Leading player in the global market: e-Government solutions for Passports and IDs

EDAPS Consortium mission is to provide Governments with **technically advanced system solutions** that

- Travel and national e-IDs & e-Passports
- Driver's license, Vehicle Registration Certificate
- Integrated Population Registration System
- Solutions for securely capturing of the citizen data, managing the database capture for efficient identification and verification processes
- Tax stamps and track & trace systems

in a vertically integrated cost-effective manner, responsive to the specific needs and goals of a government.





High capacities in production and R&D



■ **Leadings European manufactures:**

- holograms security elements,
- plastic cards and blanks for ID documents

■ **Development of integrated IT systems for government applications.**

■ **Quality management systems :**

- ISO 9001:2000,
- ISO 9001:2008,
- ISO 27001:2005

■ **Over 3.200 staff, including over 100 engaged in R&D.**





Unrivalled expertise in securing documents and goods



- Over 300 major projects,
- Unique technologies in the field of
 - lasers, polycarbonate, biometrics,
 - demetallised holograms,
 - electronic systems,
 - contact, contactless chips and IT-technologies.
- New development in the way: advanced system for laser personalization of the ID-documents - “EDAPS Laser”





Geography of business of the EDAPS Consortium

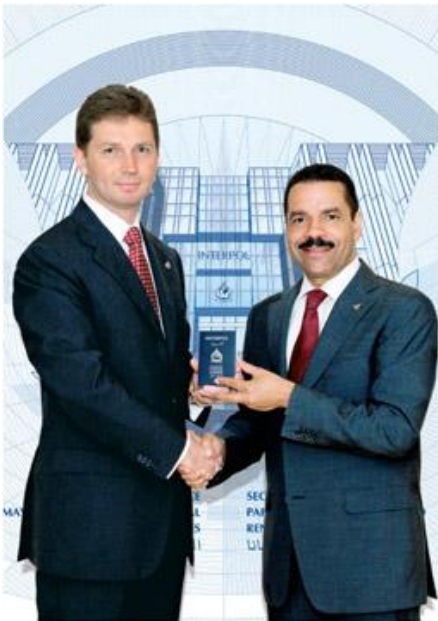
- Austria
- Azerbaijan
- Armenia
- Bangladesh
- Belarus
- United Kingdom
- Germany
- Georgia
- Israel
- Kazakhstan
- Kenya
- Columbia



- Lithuanian
- Latvia
- Moldova
- The Netherlands
- The UAE
- Pakistan
- Poland
- Russian Federation
- USA
- Uzbekistan
- Ukraine
- France
- Switzerland



Global International Projects



- E-passport and E-ID for INTERPOL



- Passports for De Beers diamonds



- Demographic register in Kenya



Ukrainian Passport: project of national pride



- recognized by the ICAO and the OSCE as one of the best in the world.
- compliance with ICAO requirements is confirmed by the certified laboratories of the European Union (Secunet and Fime)





High-security e-passport for INTERPOL

- ✓ contains all requisite data specific for machine-readable documents and
- ✓ is securely protected with use of state-of-the-art technologies :



- polycarbonate data page
- laser engraving
- laser perforation
- secure holograms
- optical security elements
- security inks with various properties
- microtext



E-passport for INTERPOL: State-of-the-art security features

Repetition of the digital portrait image of the holder is done by **laser perforation**



OVI is a high security ink showing different colors as the angle of view changes.



The embedded transparent **demetalized holographic security element**





E-passport for INTERPOL: State-of-the-art security features



Coincident images



Front side Viewed against a light source Back side

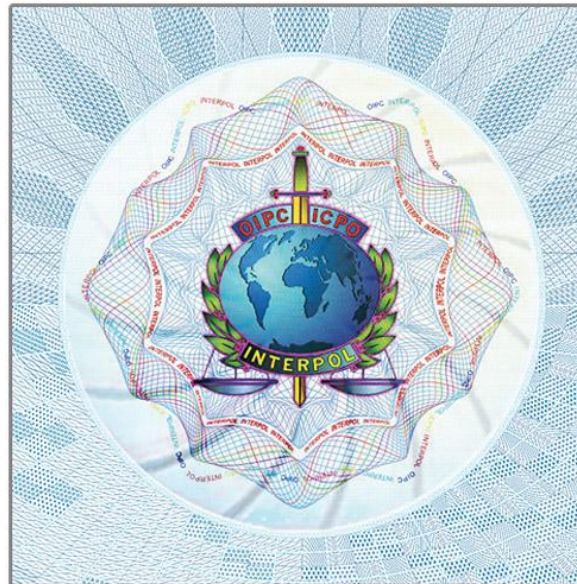


E-passport for INTERPOL: State-of-the-art security fetures

Latent image (sometimes also called «keep-effect») is a design or an inscription, which can be found on the background of the other, basic design.



Transparent demetallized holographic security element.



Advanced Common
Criteria security chip design
EAL5+ certified





INTERPOL ePassport – model project of international cooperation

MATERIALS AND COMPONENTS SUPPLIERS

FRANCE	ITALY	NETHERLANDS	UK
Supply of binding thread	Supply of foil for HSE	Cover	Inks
GERMANY	HUNGARY	System of polycarbonate page personalization	UKRAINE
Polycarbonate	Scanners	Printing and supply of passports forms	Watermark paper
Foil	JAPAN	RUSSIA	USA
SDK	Photo camera, accessories	Scanners	Devices and SDK
Sensor board	LITHUANIA	SWITZERLAND	Holographic overlay laminator
Intaglio prints forms	Inks		

- The INTERPOL e-Passport booklet is
 - ❖ developed by the EDAPS Consortium,
 - ❖ electronically secured using ENTRUST PKI solution
- EDAPS leads a grouping of 20 suppliers from 12 countries.



INTERPOL rolls out its e-ID card: second phase of INTERPOL Travel document Initiative



- Partnership with ENTRUST - industry leader in PKI
- Ad hoc development of the security features
- Unique high-end security holograms, alteration impossible
- Balance of electronic and visual security



Partnership for the Future: Mission to provide secure credentials



INTERPOL

THE INTERPOL TRAVEL DOCUMENT INITIATIVE

RAPID RESPONSE FOR A SAFER WORLD



- **To drive technology ahead** because criminals are getting more active
- **To balance the harmony** of physical and intellectual levels of security in one secure document
- **To provide tailored security features** and turn-key intellectual systems based on industry's best practices and standards, including Information Security standards



Partnership for the Future – Mission to provide secure credentials



INTERPOL

THE INTERPOL TRAVEL DOCUMENT INITIATIVE

RAPID RESPONSE FOR A SAFER WORLD



- **To convert the cutting edge industry technologies to the practice of public security**
- **To maintain ongoing research and development in the area of secure credentials**
- **To dedicate our core competences and advantages of Partnership with INTERPOL to the mutual commitment to create the Gold Standard of Secure Credentials and accept it globally**



Thank You For Attention

www.edaps.biz

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International Strategy & Development