CE TRAVEL: **PC DATA PAGE**

## ICAO compliant polycarbonate data page for e-Passport with patented binding

CETIS offers a polycarbonate data page combining a variety of security features and exclusive patented binding technology. Due to the construction of the data page physical splitting can not be reversed. Incorporation of the data page into the passport is secure, due to polycarbonated technology, and durable.

MULTILAYER

Fused polycarbonate layers
- Polycarbonate layers fused under heat and pressure without adhesives.
- High resistance against mechanical and thermal stress.
- Highest robustness against delamination or splitting.

Security elements
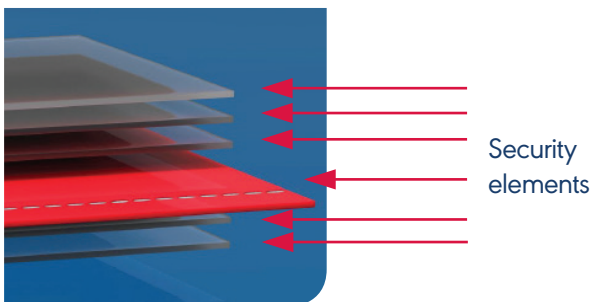
PERSONALISATION

High quality optical personalisation
- High resolution laser engraving personalisation.
- Personalisation-linked security features (for example, tactile laser engraving).


PATENTED BINDING

Fraud resistant binding
- Integrated fabric – sewn with booklet.
- Highly robust and flexible hinge sewn in the booklet.
- Fraud resistance – visible evidence if data page has been removed or replaced.

Passport with robust and highly flexible data page hinge
- Securely integrated into polycarbonate body.
- Qualified according to ICAO Tech. Report, Durability of MRP, V3.2.
- Mechanically robust binding element.
- Optionally integrated security features.

CETIS SPECIAL BINDING SYSTEM (CSB)

CSB1 — Reinforce stripe / Paper

CSB3 — Flexible hinge

■ Polycarbonate layers
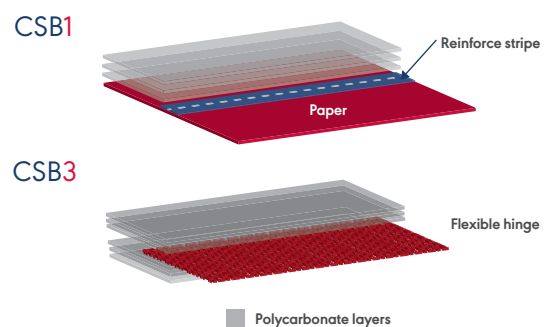
SECURITY ELEMENTS

CETIS experts can advise you which security elements are most suitable for your needs (some possibilities are mentioned below).

- **Two-colour guilloche security background design pattern.** A two-colour guilloche is a design that incorporates guilloche patterns created by superimposing two elements of the guilloche, reproduced in contrasting colours.
- **Rainbow printing.** A technique whereby two or more colours of ink are printed simultaneously on a press to create a continuous merging of colours similar to the effect of a rainbow. Also called prismatic, iris or split duct printing.
- **Anti-scan pattern.** An image usually constructed of fine lines at varying angular displacement and embedded in the security background design. When viewed normally, the image can not be distinguished from the remainder of the background security print but when the original is scanned or photocopied the embedded image becomes visible.
- **Relief (3D) design feature.** A security background design incorporating an image generated in such way that it creates an illusion of embossed or debossed substrate surface.
- **Microprinted text.** Very small text printed in a positive and/or negative form which can only be read with a magnifying glass.
- **UV fluorescent ink.** Ink containing material that glows when exposed to the UV light at a specific wavelength.
- **Deliberate error in microtext.** Error integrated into security design known only to the producer, customer and/or forensics.
- **Tactile features.** Feature with different heights of elements or part of it. Differences can be recognised with fingertips.

- **Variable laser image with additional portrait image of the holder.** (MLI® Multiple Laser Image or CLI® Changeable Laser Image). A feature generated by laser engraving or laser perforation displaying changing information or images dependent upon the viewing angle.
- **Latent image.** A hidden image formed within a relief image which is composed of line structures which vary in direction and profile resulting in the hidden image appearing at predetermined viewing angles, achieved by laminationprocess.
- **Design/OVD/UV merging the portrait area.**
- **Tactile element overlaping the portrait area.** Element integrated in the lamination or personalisation process. Verification with fingertips.
- **Matt/gloss feature with microtext.** A surface feature giving a distinctive *feel* and *look* of a document.
- **Ink with optically variable properties OVI®** - Optical variable ink. Appearance of an image or feature in colour changes depending on the angle of viewing.
- **VISH - Variable image shift.** Appearance of an image or feature in colour changes depending on the angle of viewing.
- **Multi functional ink**
  IR up converting (anti-stokes), UV fluorescent and OVI® ink. A multi functional ink that can only be distinguished by using several special devices.

ABOUT CETIS
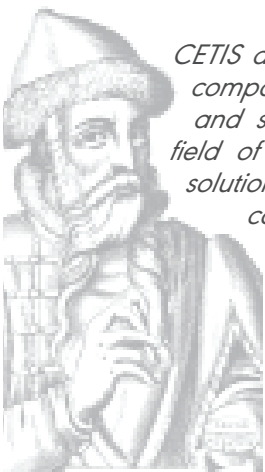
CETIS d.d. is one of the leading European companies in the field of products and services, related to printing. In the field of security and commercial printing solutions together with the most advanced complementary services CETIS is a reliable strategic partner for companies and countries on four continents.

Its know-how in the field of graphics is based on over 200 years of experience.

Standards – quality assurance

- **ISO 9001:2008** Quality Management System
- **ISO 14001:2004** Environmental Management System
- **ISO 27001:2013** Information Security Management System
- **DPG** Certificate by Deutsche Pfand Gesellschaft
- **MasterCard / Visa** Certificate for PCI Logical and Physical Security
- **CQM** Card Quality Management System by MasterCard for bank cards production
- **FSCC** (Facility Security Clearance Certificate) Security certificate of the Government of the Republic of Slovenia, Government Office for Protection of Classified Information, which complies with security policy of the European Union
- **ISO 14298:2013 Intergraf** Certificate for High Security Printing Management System
- CETIS also follows **ICAO** and **OHSAS** standards