

Presenting SHIELD™

Developed in response to customer demand, SHIELD™ is the new passport data page protection solution from De La Rue Identity Systems.

SHIELD™ combines the familiarity and visual impact of high-security holography with the multi-level security of De La Rue's proven MLIS™ solution.

By placing a high quality optically variable device (OVD) on the data page, SHIELD™ enables governments to issue machine-readable, digitally-imaged passports that meet International Civil Aviation Organization (ICAO) and supplementary European Union (EU) requirements.

- ICAO 9303 and EU compliant
- Comprehensive range of integrated, multi-level, holographic and printed security features
- Highest quality holographic images and features
- Quick, effective and powerful level 1 verification

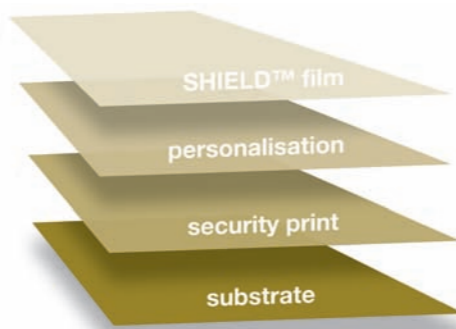
MLIS™ – data page protection for ICAO-compliant passports

MLIS™ is a high quality data-page protection solution designed specifically for governments seeking to issue digitally-imaged, machine-readable passports that meet the requirements of the ICAO 9303 specification. Combining thin film and security print technologies to personalise and protect the passport data page, it delivers unbeatable security and proven durability in a flexible, efficient and cost-effective solution. MLIS™ is already used and trusted by more than 25 governments and issuing authorities around the world.

Protection and personalisation

SHIELD™ features a high-security holographic image which includes highly sophisticated visual effects – kinegraphic and 2D/3D. The image is incorporated into the SHIELD™ film using HRI (high refractive index) technology, creating a transparent version of the image which allows the personal data to be placed underneath the feature without being obscured.

To protect and personalise the data page, the SHIELD™ film – comprising the holographic image, security-printed features, personal data and a protective top layer – is transferred to the data page where it is all 'fused' together using heat and pressure.



example of SHIELD™ data page construction

Integrated, multi-level security

In SHIELD™, the proven security of MLIS™ is enhanced by high-security holography:

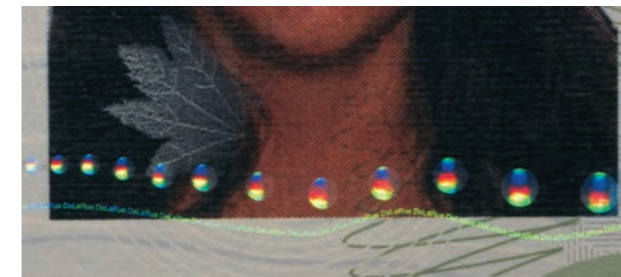
- The only passport data page protection solution that offers integrated, multi-level, holographic and printed security features
- The powerful level 1 security provided by the optical variability of the holographic image is complemented by level 2 and 3 features incorporated in the hologram
- Extensive range of printed security features to combat counterfeit and fraudulent alteration
- The holographic feature is available as an all-over image or, for even higher levels of security, as a holographic patch registered over sensitive data
- Each SHIELD™ film is uniquely numbered allowing the production and issuance process to be monitored, audited and secured



floating 2D/3D image



gradient effect



lens effect



microswitching effects



microtext

High quality, high value

The sophisticated holographic origination technologies employed by SHIELD™ create the highest quality holographic images and security features. The finished passport is visually appealing with a high value look and feel, entirely appropriate for a prestigious document such as a national passport.

Effective verification

SHIELD™'s level 1 features can be quickly and easily verified. When further investigation is necessary, SHIELD™ offers the backup of complementary level 2 and 3 features.

Why choose SHIELD™?

- Compliant with ICAO 9303 and EU standards for machine-readable, digitally-imaged passports
- Comprehensive range of integrated, multi-level, holographic and printed security features
- Highest quality holographic images and features
- Quick, effective and powerful level 1 verification
- Based on MLIS™, De La Rue's proven data page protection solution
- De La Rue has been producing passports for more than 90 years, supplying more than 100 governments

De La Rue Identity Systems is a trusted partner of governments around the world, working closely with them to design, implement and manage secure government identification systems. To date, we have successfully implemented over 50 national schemes across every continent.

Our expertise and understanding extends across the complete ID Lifecycle™: the end-to-end process of how individuals apply for, obtain and verify their personal identification. We invest heavily in Research and Development programmes and work alongside organisations like Interpol, the United Nations and the International Civil Aviation Organization (ICAO). As a result, Identity Systems is at the centre of some of the most exciting and innovative developments in the modern world.

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