

Automatic Document Authentication



regula

forensic science systems

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Regula Baltija – Daugavpils, Latvia

Regula Rus – Moscow, Russian Federation

Regula Forensics – Washington, USA

Regula Brazil – Rio de Janeiro, Brazil

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Partners/Distributors – more than 40 countries and regions globally



Regula Products

Desktop and Mobile Document Readers

Document Examination Equipment

Special Equipment

Databases and Software

Printed Products



Desktop Document Readers



Desk-top
ID-1 size reader



Desk-top
ID-3 size reader

Mobile Document Readers



Mobile
MRZ reader



Mobile
laboratory



Mobile
ID-3 size reader



Special Purpose Document Readers



Mobile
high-resolution reader
(up to 1500 dpi)



eGate/Kiosk version



Authentication Elements of documents

Score

MRTDs

6

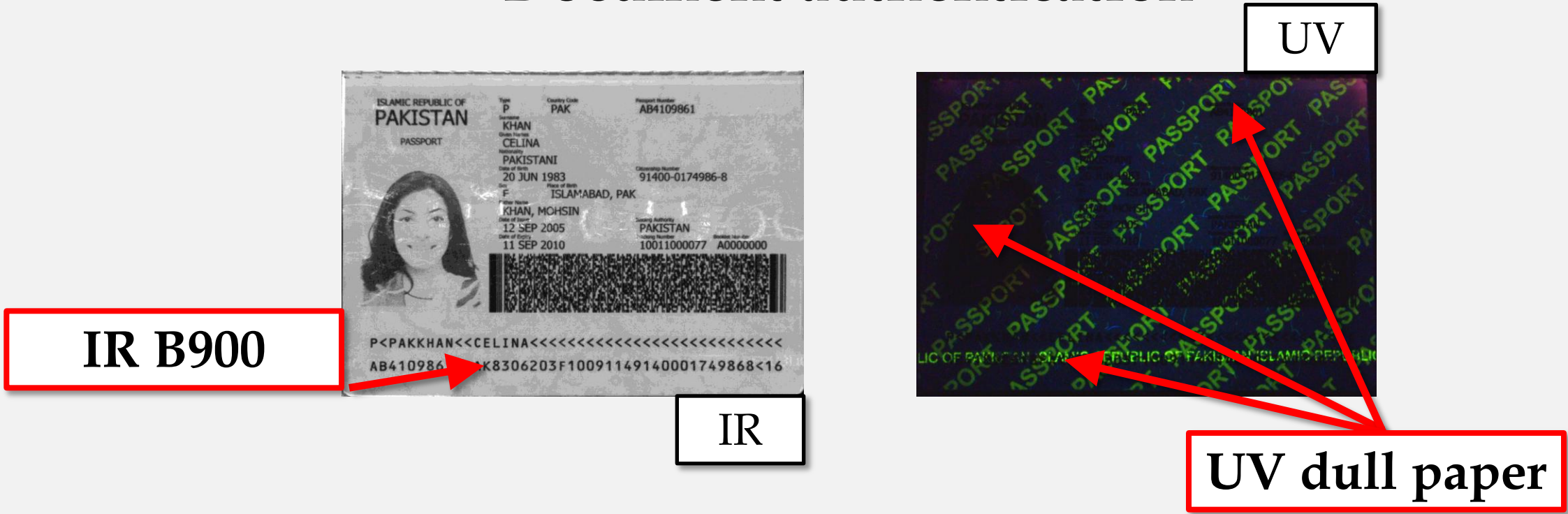
**Any enrolled
document**

22

MRTD Processing

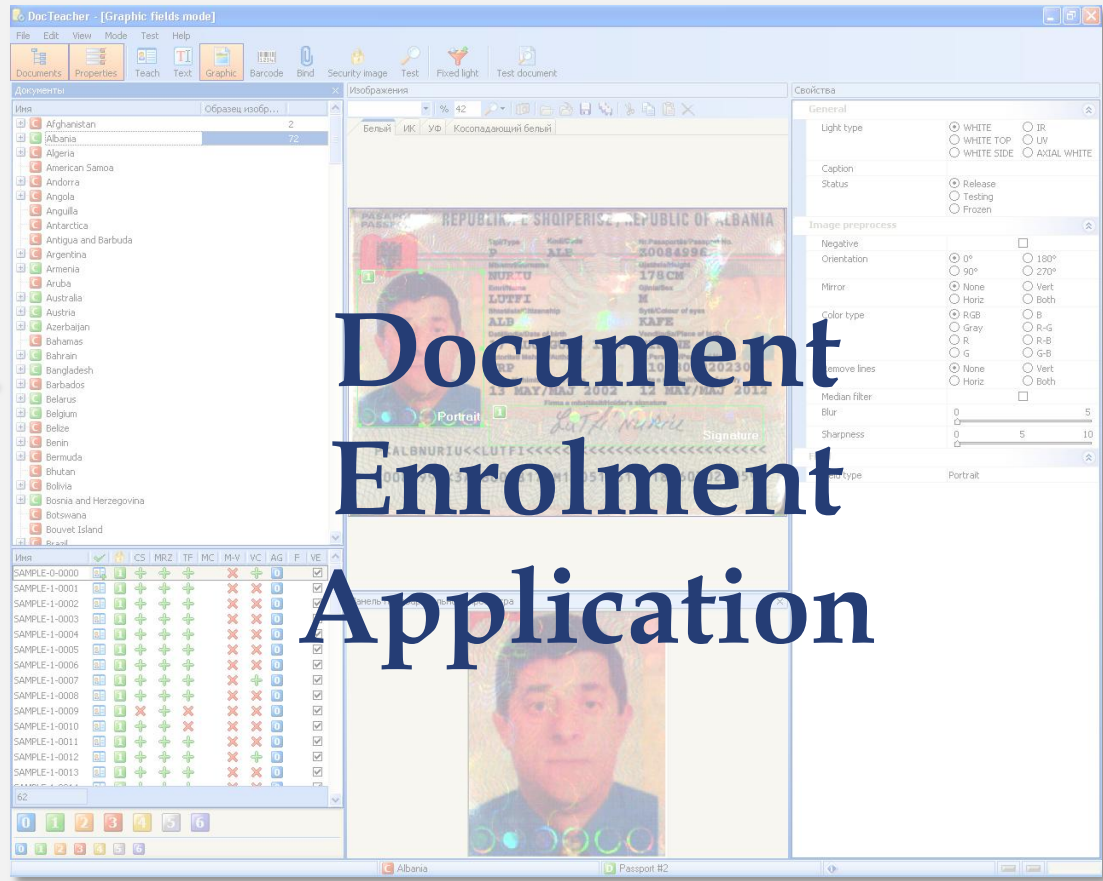
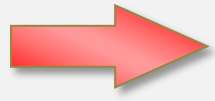


Document authentication

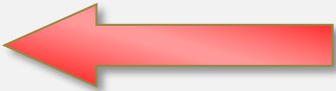
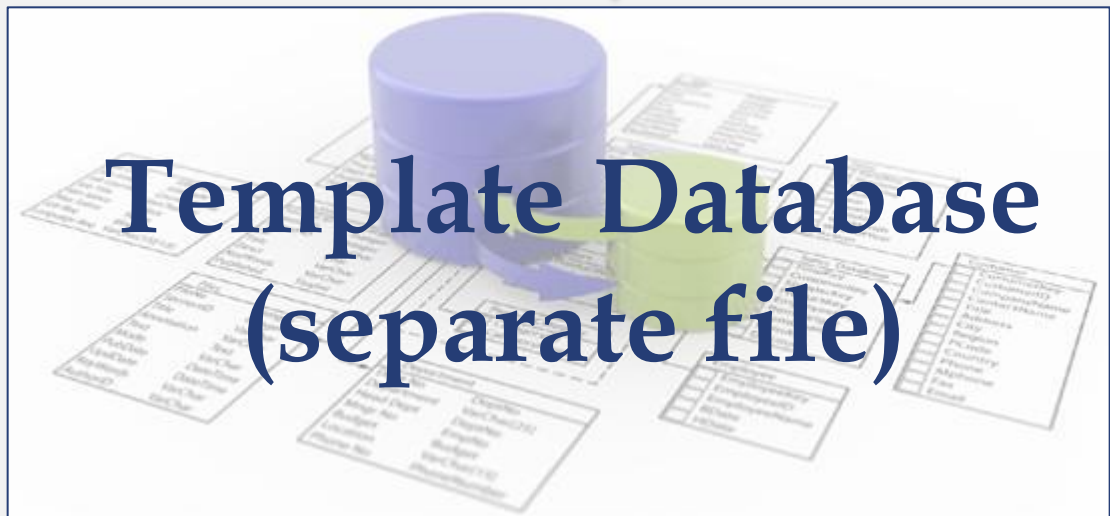




Any Document Enrolment



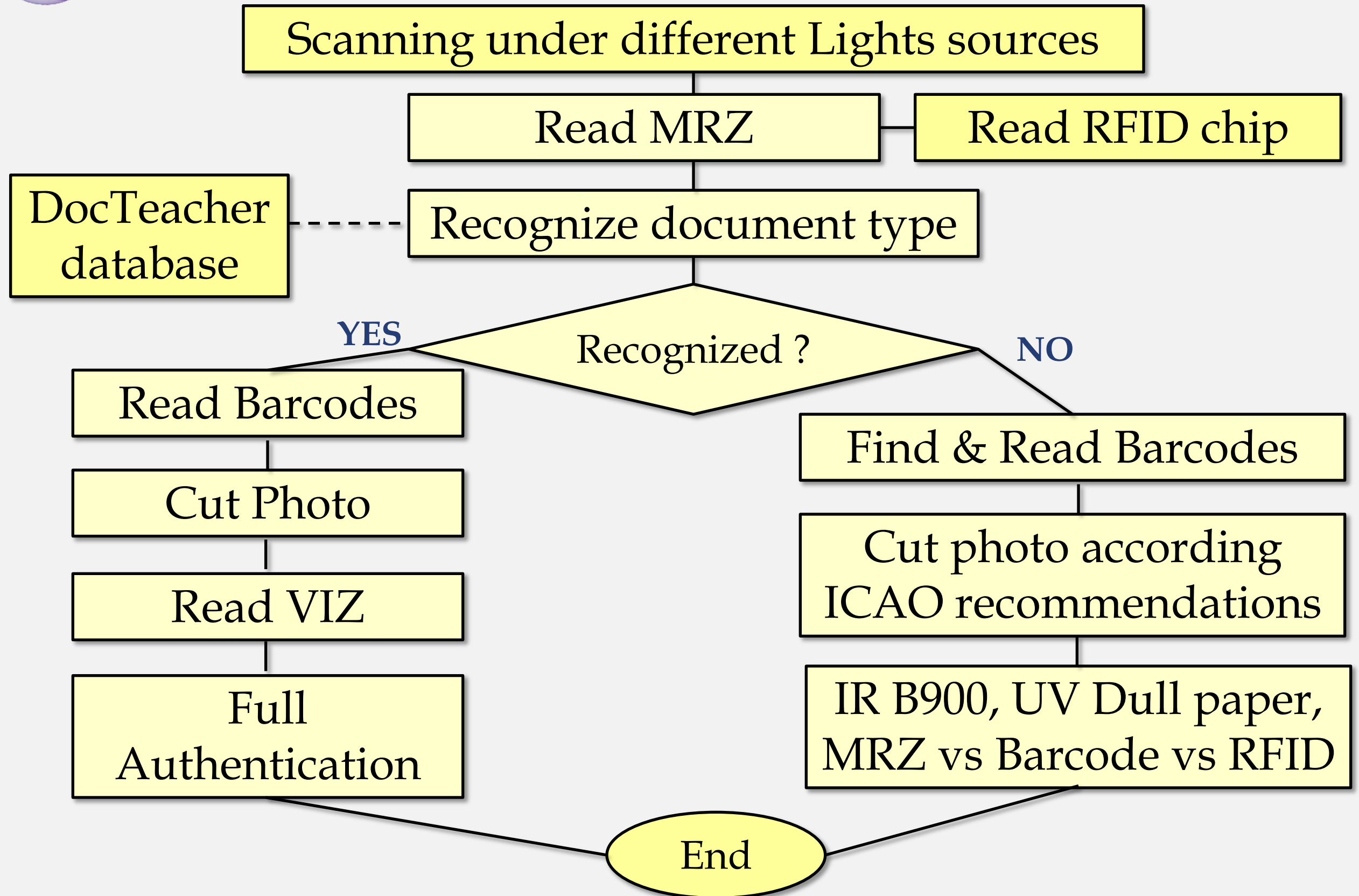
Document Enrolment Application



SDK



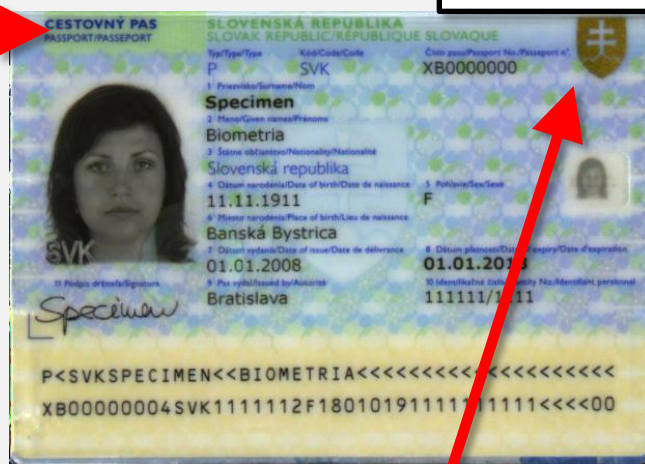
Document Analysis



Blank & Laminate Substitution

White patterns

White



UV

UV fibers



UV dull paper

UV patterns

OVI

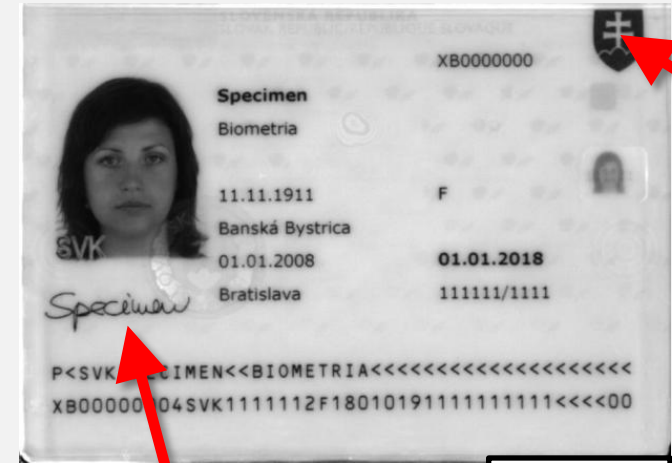


Retroreflective protection



Axial

IR patterns



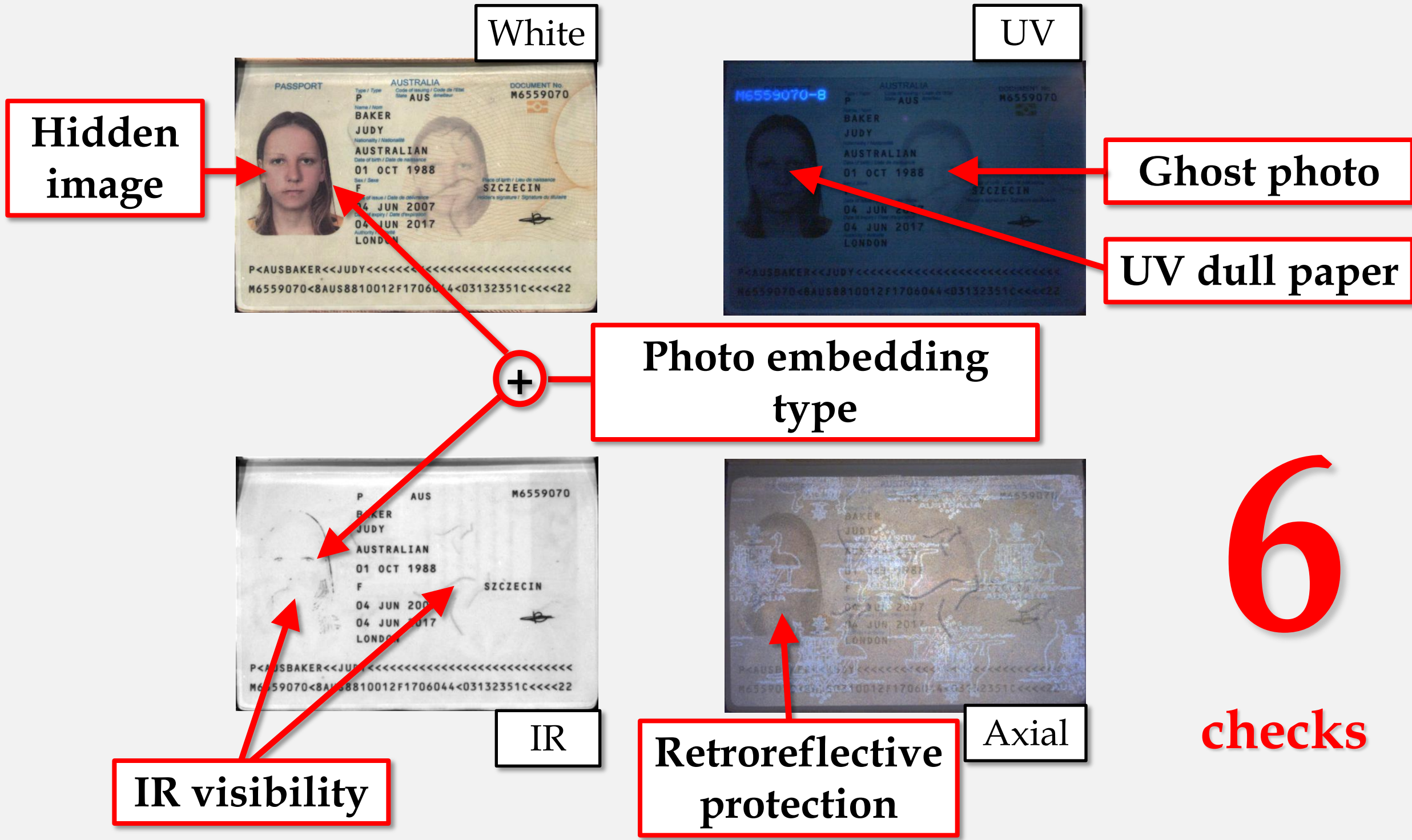
IR

IR visibility

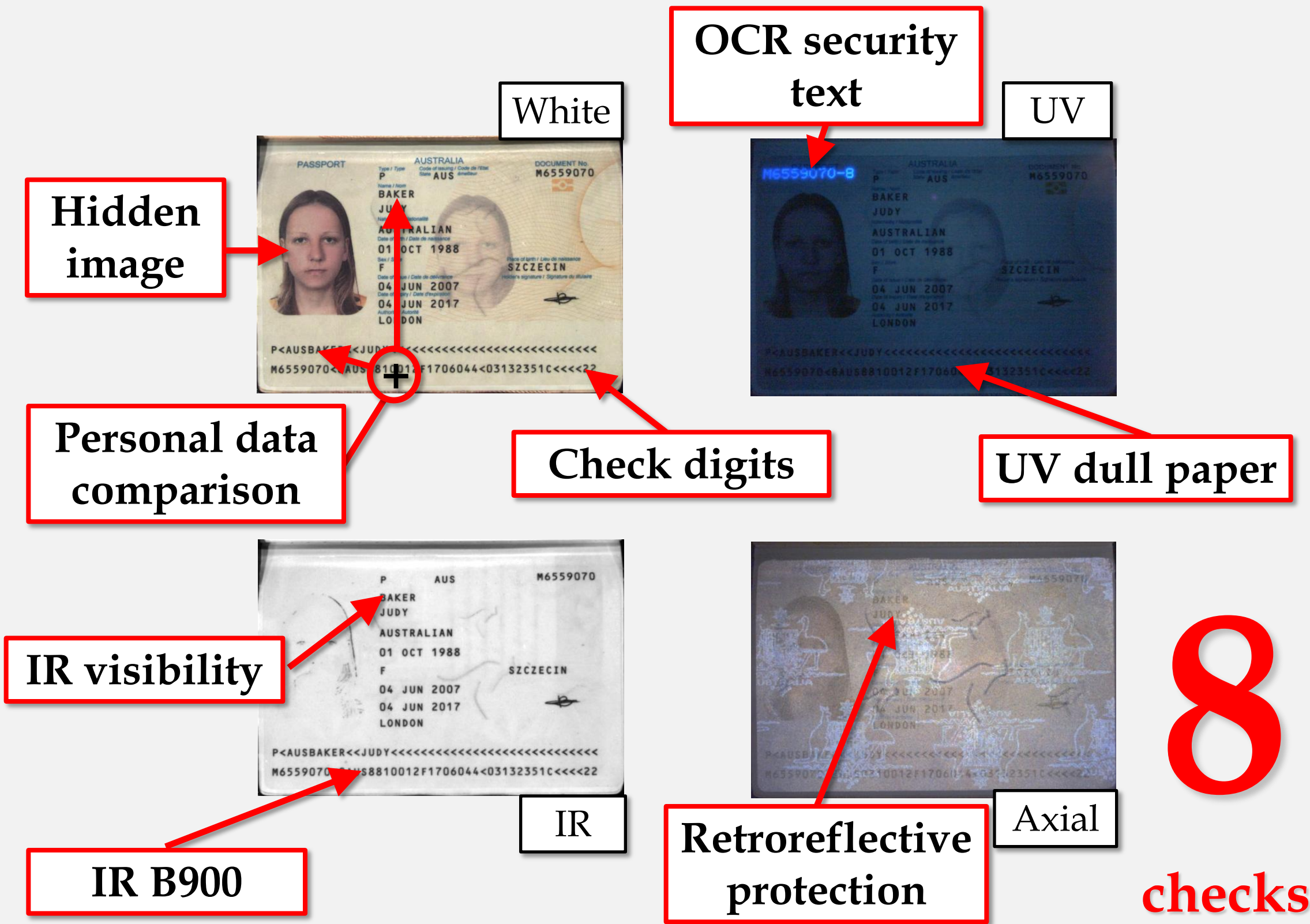
8

checks

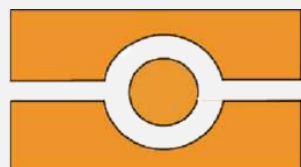
Photo Substitution



Data Substitution



Processing Time



- **MRTD with basic checks - 2 seconds**
- **Enrolled MRTD with up to 22 checks - 3 seconds**
- **eMRTD with up to 22 checks - 5 seconds (average time which depends on chip)**



Conclusions

- **Software solutions become more reliable;**
- **Any secure document can be processed – passport, ID, driver's license, etc.;**
- **Any scanner can be used for document reading and authentication but specialized devices with multiple light sources are preferred;**
- **Automatic verification allows better inspection of documents, not only by law enforcement agencies but also by commercial institutions.**