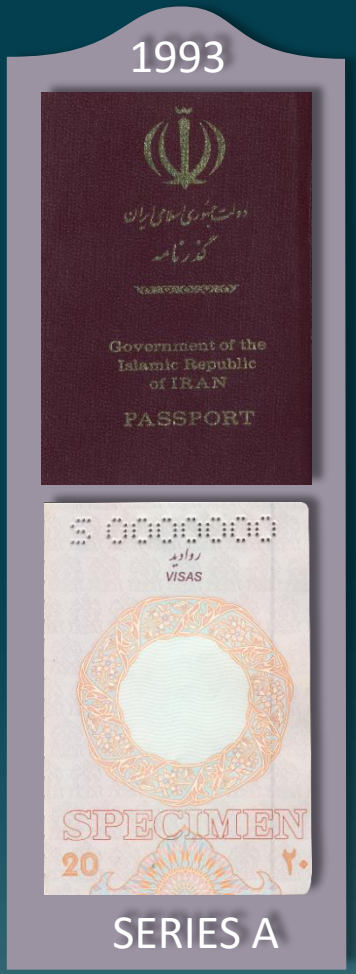
THE NEW IRANIAN E-PASSPORT

MATIRAN COMPANY

HISTORY OF THE PASSPORT AT MATIRAN

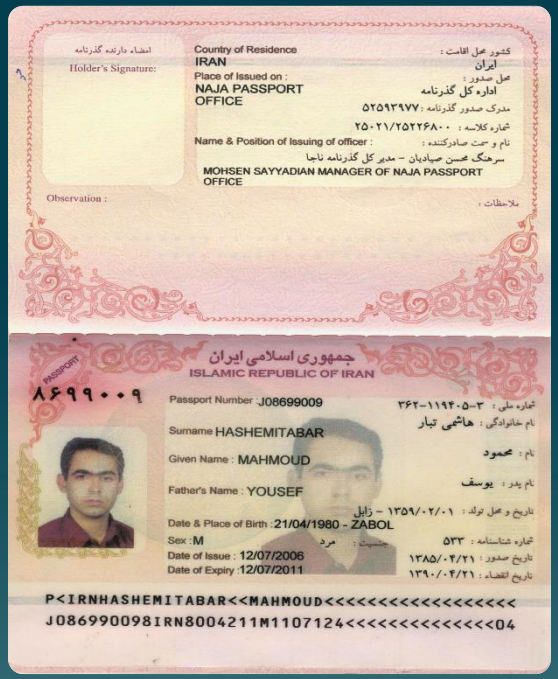
Since 1993 three versions of passport has been produced, each with specific changes. The younger generation called as ‘Version A’ was produced in 1993, with PT/PET laminate and florescent print. The holder’s photograph should be attached to data sheet.

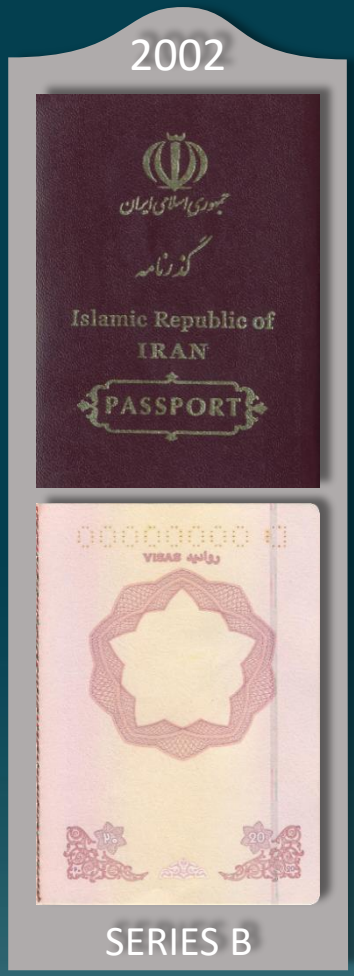
SERIES A



HISTORY OF THE PASSPORT AT MATIRAN

In 2002 ‘Version B’ had been generated with printing the holder’s photograph by the inkjet printer. The laminate still was PT/PTE With a localized eransparent Hologram.





SERIES B

HISTORY OF THE PASSPORT AT MATIRAN

The project of the 3rd generation, 'Version C', started end of 2012 based on the latest security achievements.

SERIES C

INDEX

- Challenges and Lessons
- Project Process
- Text & Content Definition
- Graphical Design
- Security Features
- Green Design

PROJECT PROCESSES

- Planning & Organizing
- Architecture of the project
- Evaluation of e-Passport version B
- Budgeting
- Raw Material Supply & Localization
- First Design
- Finalizing the content
- Final Graphic design
- Production & Prepersonalization
- Monitoring Issuance

TEXT AND CONTENT

1-The content is printed in two languages; Persian & English.

2- according to ICAO 9303 standard.

3-The holder's information is printed when the passport is issued.

4-The serial number is printed.

DESIGN THEME

The specific background design of each page illustrates the art, history, and security.
14 historical and religious monuments had been selected to design a culturally rich and at the same time highly secure passport.

SECURITY FEATURES

(Paper)

Imam khomeini
3D Water Mark

ET Water Mark

SECURITY FEATURES

(Paper)

Invisible Fiber

SECURITY FEATURES

(Paper)

Chemical Sensitivity

SECURITY FEATURES

(DESIGN)

1- Guilloche

2- Medallion

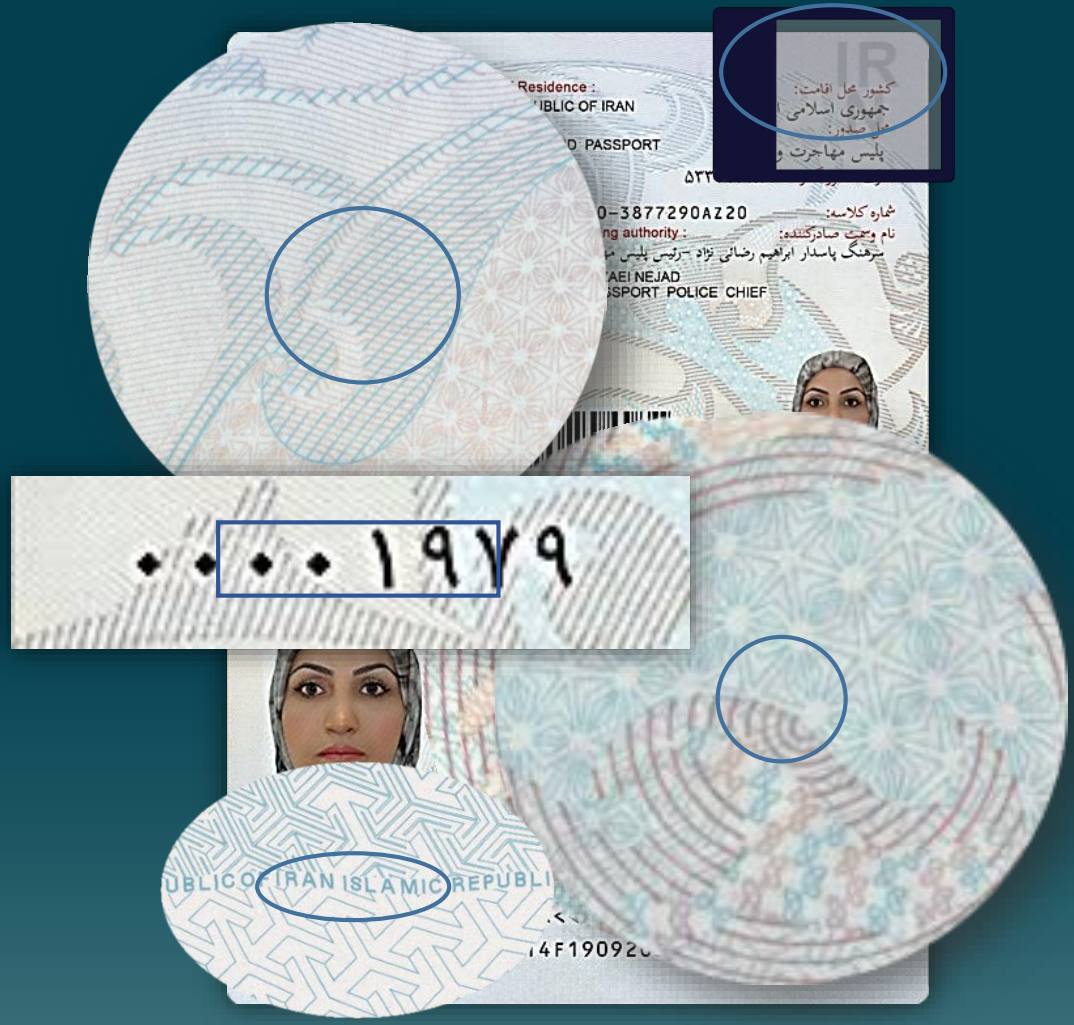
3-Crystal Pattern

4-Hidden Image

5-Microtext

6- Serial Number

7- Digital Watermark



SECURITY FEATURES

Print (Inner Page)

Invisible Print in Yellow

SECURITY FEATURES

Print (End Pages)

- Intaglio Print
- Latent Image
- OVI Print

Back Covers

SECURITY FEATURES

Print (End Pages)

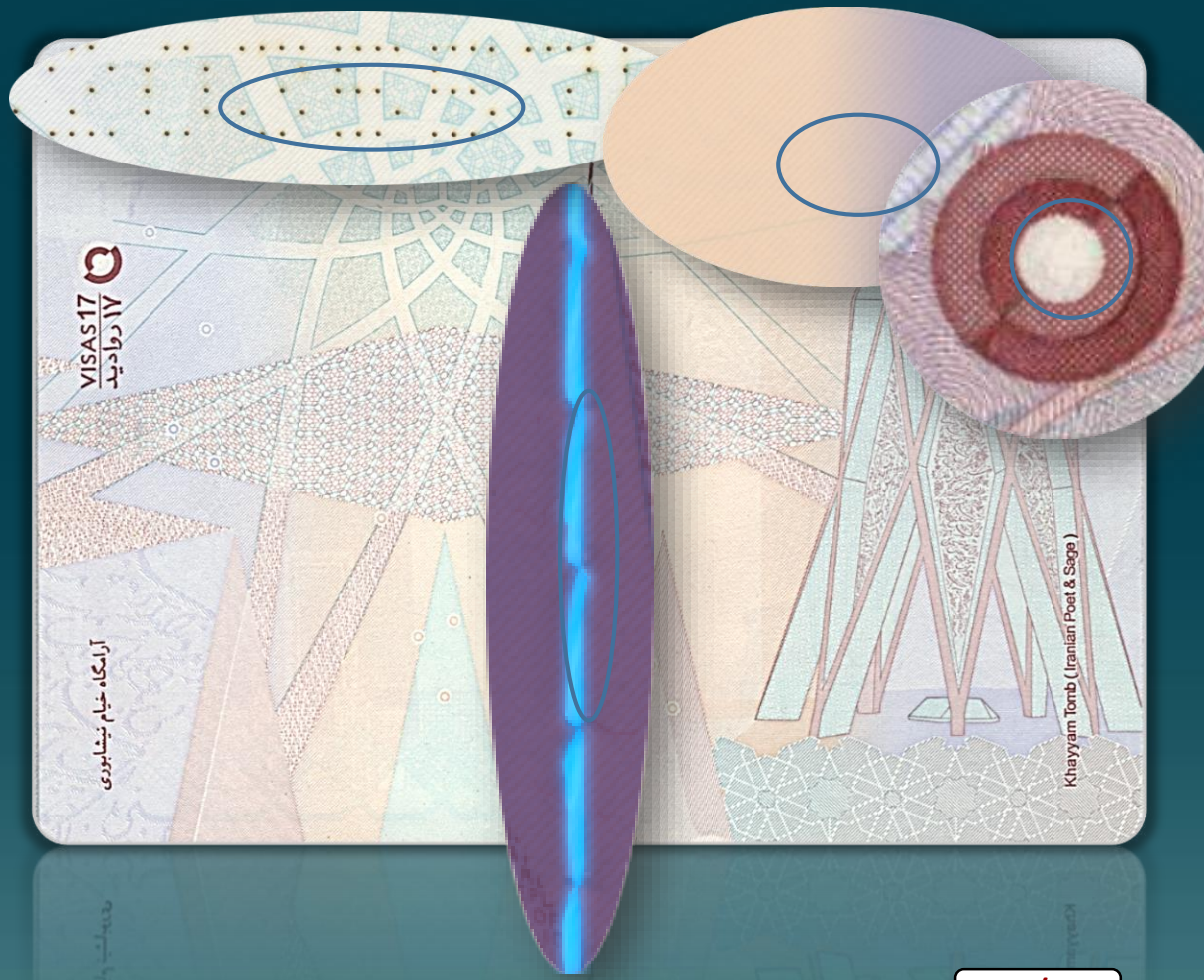
Back Covers

Invisible Print

SECURITY FEATURES

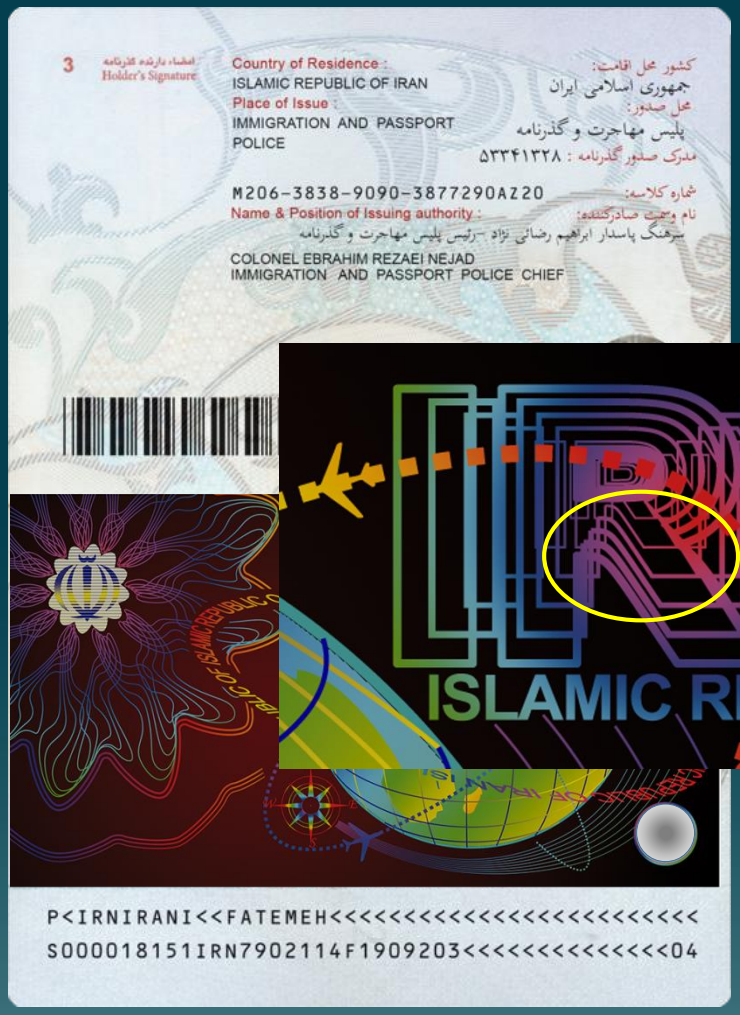
(Production)

- 8- See-through Print
- 9-Rainbow Effect
- 10-Laser Perforation
- 11- Security Sewing Thread in 3 Color



SECURITY FEATURES

Data Protection Film (DPF)



Smaller/ bigger IRN depending on the angle it is viewed

SECURITY FEATURES

Data Protection Film (DPF)

One of two different pictures visible at each angle

Smaller/ bigger IRN depending on the angle it is viewed

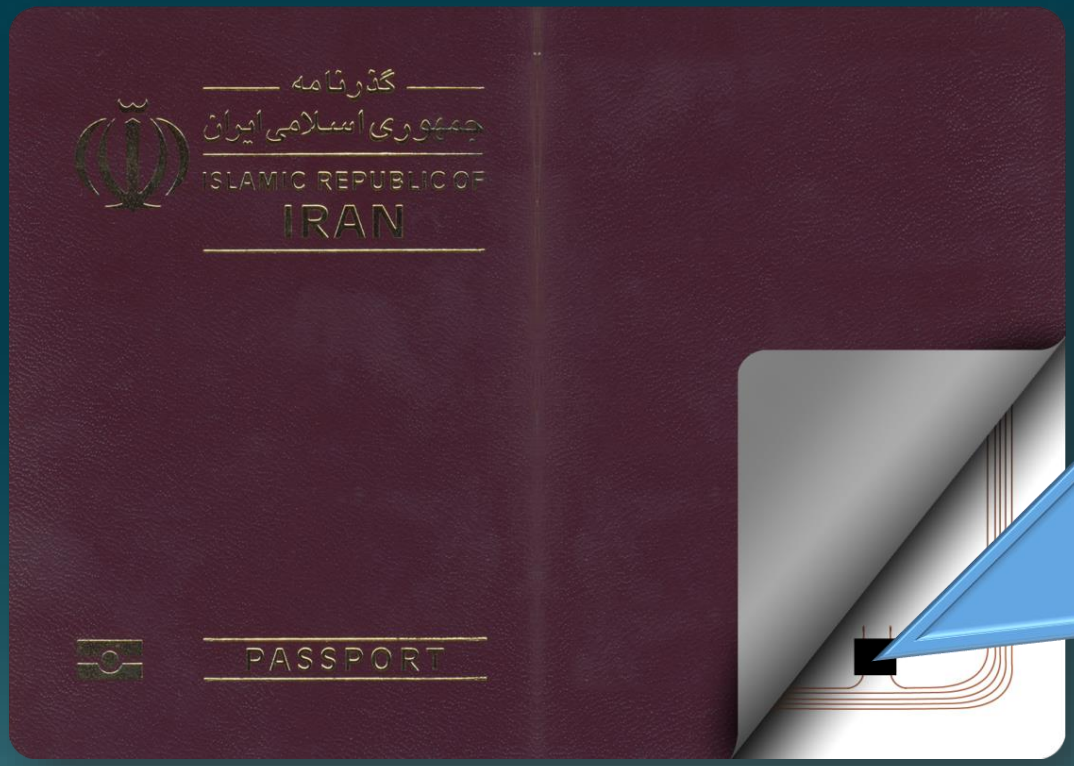
SECURITY FEATURES

Data Protection Film (DPF)

- Lens Effect of a micro text
- One of two different pictures visible at each angle
- Smaller/ bigger IRN depending on the angle it is viewed

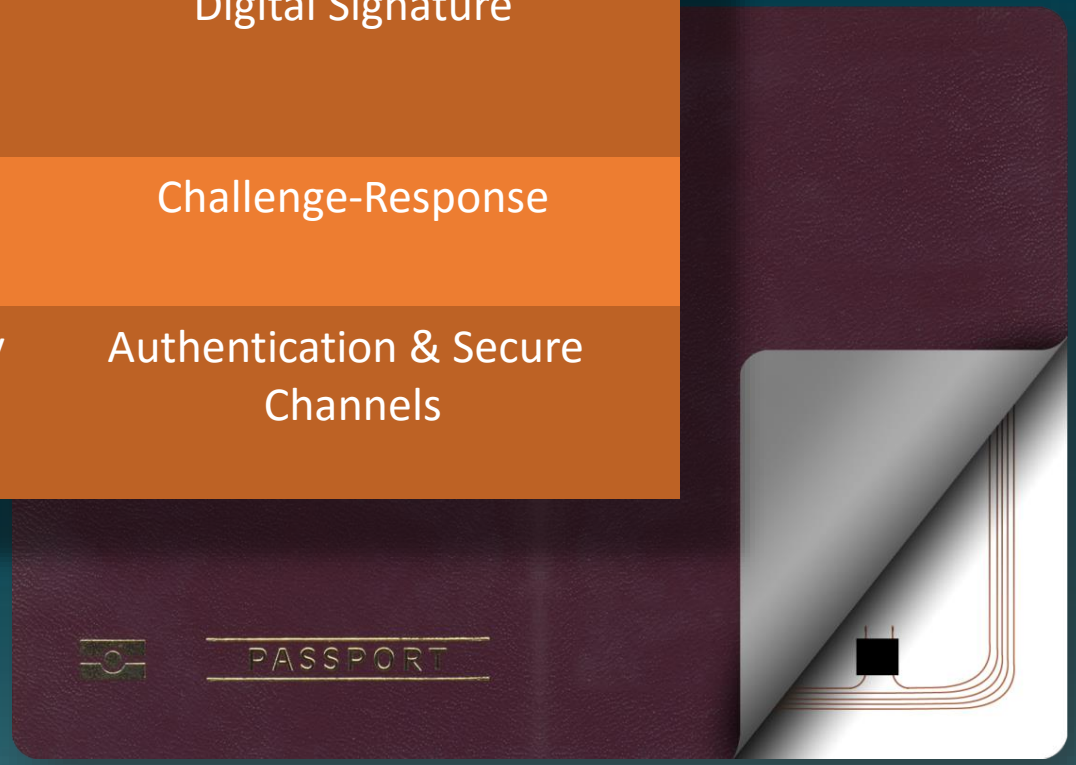
ELECTRONIC SECURITY FEATURES

C Series Of Passport Is Electronic Passport



The Electronic Part Of The Passport Is Inclusive A Contact Less Chip And A Native Operating System That Is Called SSCOS. This Segment Contacted To Some Copper Wire And Has Installed On A Synthetic Paper. The Inlay Has Inserted Among The Cover And The End Sheet Like A Passport Paper.

ELECTRONIC SECURITY FEATURES

Mechanism	Protection	Technique Cryptographic
Passive Authentication	Authenticity	Digital Signature
Active Authentication	Originality	Challenge-Response
Access Control	Confidentiality	Authentication & Secure Channels

Chip Security