

Assignment – electronic passports

1) Implement a program in any programming language that will verify whether a given set of parameters (document number, birth date and expiry date, all including check digits) can be used for a successful authentication against the electronic passport for the basic access control.

[10 points]

{To communicate with a passport either use a real passport and a contactless reader or use the ePassport simulator (in VePas.zip in IS) (use install.bat, then run VSCRControl.exe and select a directory with data – the samplecard_1024 folder). To test the simulator, you can use the Golden Reader Tool (select the STILLET PC/SC reader in configuration). The description of BAC can be found in the ICAO PKI TR on pages 41-52.

As APDU commands use:

- 1) Select LDS: 00 A4 04 0C 07 A0 00 00 02 47 10 01
- 2) Get Challenge: 00 84 00 00 08
- 3) Mutual Authenticate: 00 82 00 00 28 XXX 28

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