JMRTD C# Client Test Guide

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1. Prerequisites

* Windows 10+ with .NET 9.0 runtime installed
* PC/SC compatible contactless smart card reader with vendor driver
* An ePassport (ICAO Doc 9303 compliant)

2. Verify Reader

1) Connect the reader and install vendor drivers.

2) Open Command Prompt in the TestConsole directory.

3) List readers:

dotnet run -- --list-readers

4) Test reader connectivity:

dotnet run -- --test-reader

3. Scan a Real Passport

Place the passport on the reader (front cover down, chip area aligned). Then run:

dotnet run -- --scan-passport-real

This will attempt BAC/PACE, read COM, DG1 (MRZ), DG14 (SecurityInfos), and display basic details.

4. PACE/BAC Keys (Optional)

If prompted for MRZ-derived keys, compute with:

dotnet run -- --mrz-key <DOC\_NUMBER> <DOB YYMMDD> <DOE YYMMDD>

5. Troubleshooting

* Ensure only one reader is connected to avoid selection ambiguity.
* Re-seat the passport and ensure good antenna alignment.
* Update reader drivers and reboot if PC/SC is not responding.
* Run as Administrator if access is denied by the OS.

6. Advanced Tests

Run full protocol checks (BAC, PACE, EACCA, EACTA, AA):

dotnet run -- --test-protocols

List all tests:

dotnet run -- --help