**Testing Conditions**

**TEST OF THE PERSONALIZATION DEVICE FOR PRODUCTION OF ID-3 TRAVEL DOCUMENTS**

**I.**

In compliance with the provision of Section 104 (b) of Act No. 134/2016 Coll., on public procurement, as amended, as a condition for entering into the Contract, the Contracting Authority requires a successful result of sample testing, i.e. a test of the offered personalisation equipment, which is similar to the Equipment whose delivery is required by the Contracting Authority, from the selected contractor.

The testing will be conducted at the address of the selected Tenderer, specified by the Tenderer in their tender.

The selected Tenderer will be prompted for mime testing. 5 working days in advance.

The travel documents to be used for testing will be provided by the Contracting Authority on the testing day. 50 ID-3 travel documents will be delivered for this test.

The personalization data will also be delivered at the latest on the testing day by the Contracting Authority’s employees.

The test may be conducted on the demonstration equipment, or on individual modules which meet the required technical parameters, defined in the tender documentation, and will be part of the personalisation line delivered.

The scope of the test:

* The verification test proves the ability to perform features listed below.

The execution of the test:

* The test of each feature can be performed separately with the stand-alone modules.

**a) Laser engraving**

* Photo image
* Alphanumerical data
* MRZ lines
* MLI
* Window Lock
* Microtext

Expected result of the test:

* + All features listed below are personalized with minimum tolerances of the pre-printed marks in the layout of the datapages
  + All features listed below are in compliance with the latestst edition of the ICAO 9303 standards.
  + Test results must be in compliance with the Technical specification, mentioned in Appendix no. 3 TD :
  + The personalized features are compared and must be fully in compliance with customer etalon (see picture on last page of this document) This etalon will be disposable during the test.
  + The quality of the photo image is verified by density measurement in the grayscale placed on the datapage, value of the absolute black is min. 1,90 D.

**b) Laser perforation**

Expected result of the test:

* Passport number created with help to hole points including special characters (triangles, stars, rectangles, etc).
* Possible to apply digits of various heights
* Test results must be in complience with the Technical specification, mentioned in Appendix no. 3 TD

**c) InkJet printing**

Expected result of the test:

* Printing of alphanumeric information to the observation page of the passport booklet, being page 3 of the passport
* Test results must be in complience with the Technical specification, mentioned in Appendix no. 3TD

**d) Chip encoding**

Expected result of the test:

* The machine must be able to process RFID connection to the chip for initialization or encoding.
* Test is performed with testing passports on the producer side
* Chip data is verified with using a contactless chip card reader on the producer side
* Verification of Data matching
* Test results must be in complience with the Technical specification, mentioned in Appendix no. 3TD

**II.**

**FAT (Factory Acceptance Test)**

This test will be conducted after signing the Purchase Contract before delivery of the Equipment to the place of performance, according to the conditions and schedule specified in the contract.

The personalisation data for testing will be delivered by the Contracting Authority/Buyer.

1,600 ID-3 travel documents will be available for this test.

The scope of the test:

* The ability to perform features listed below.
* The desing and construction of the machine must be according to the Technical specification
* All functions must work properly according to the Technical specification

The execution of the test:

* The test must be performed in one pass in the machine which is subject of the contract.

**a) Laser engraving**

* Photo image
* Alphanumerical data
* MRZ lines
* MLI
* Window Lock
* Microtext

Expected result of the test:

* + All features listed below are personalized with minimum tolerances of the pre-printed marks in the layout of the datapages
  + All features listed below are in compliance with the latest edition of the ICAO 9303 standards.
  + Test results must be in compliance with the Technical specification, mentioned in Appendix no. 3 TD
  + The personalized features are compared and must be fully in compliance with customer etalon (see picture on last page of this document) This etalon will be disposable during the test.

**b) Laser perforation**

Expected result of the test:

* Passport number created with help to hole points including special characters (triangles, stars, rectangles, etc).
* Possible to apply digits of various heights
* Test results must be in complience with the Technical specification, mentioned in Appendix no. 3 TD

**c) InkJet printing**

Expected result of the test:

* Printing of alphanumeric information to the observation page of the passport booklet, being page 3 of the passport
* Test results must be in complience with the Technical specification, mentioned in Appendix no. 3 TD

**d) Chip encoding**

Expected result of the test:

* The machine must be able to process RFID connection to the chip for initialization or encoding.
* Test is performed with testing passports on the producer side
* Chip data is verified with using a reader on the producer side
* Verification of Data matching
* Test results must be in complience with the Technical specification, mentioned in Appendix no. 3 TD

Generally expected results:

• Average machine performance is 400 pcs. fully personalized passports per hour with setting of 500 dpi resolution

• Smooth performance

• Rejected passport is less than 1% of the total production

• Personalized passports are in compliance with the latest edition of the ICAO 9303 standards.

**III.**

**SAT (Site Acceptance Test)**

This test will be conducted after delivery and commissioning of the Equipment in the place of performance, according to the conditions and schedule specified in the contract.

The personalisation data for testing will be delivered by the Contracting Authority/Buyer.

800 ID-3 travel documents will be available for this test.

The scope of the test:

* The machine is properly connected, installed and able to produce.

The execution of the test:

* The test must be performed in one pass in the machine.

**a) Laser engraving**

* Photo image
* Alphanumerical data
* MRZ lines
* MLI
* Window Lock
* Microtext

Expected result of the test:

* + All features listed below are personalized with minimum tolerances of the pre-printed marks in the layout of the datapages
  + All features listed below are in compliance with the last edition of the ICAO 9303 standards.
  + Test results must be in compliance with the Technical specification, mentioned in Appendix no. 3 TD
  + The personalized features are compared and must be fully in compliance with customer etalon (see picture on last page of this document) This etalon will be disposable during the test.

**b) Laser perforation**

Expected result of the test:

* Passport number created with help to hole points including special characters (triangles, stars, rectangles, etc).
* Possible to apply digits of various heights
* Test results must be in complience with the Technical specification, mentioned in Appendix no. 3 TD

**c) InkJet printing**

Expected result of the test:

* Printing of alphanumeric information to the observation page of the passport booklet, being page 3 of the passport
* Test results must be in complience with the Technical specification, mentioned in Appendix no. 3 TD

**d) Chip encoding**

Expected result of the test:

* The machine must be able to process RFID connection to the chip for initialization and encoding.
* Verification of Data matching
* Test results must be in complience with the Technical specification, mentioned in Appendix no. 3 TD

Generally expected SAT results:

• Average machine performance is 400 pcs. fully personalized passports per hour with setting of 500dpi resolution

• Smooth performance

• Rejected passport is less than 1% of the total production

• Personalized passports are in compliance with the latest edition of the ICAO 9303 standards.