**TESTING CONDITIONS**

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

**FAT (Factory Acceptance 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 Annex no. 1 of this Contract
  + 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 Annex no. 1 of this Contract

**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 Annex no. 1 of this Contract

**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 Annex no. 1 of this Contract

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.

**SAT (Site Acceptance 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 Annex no. 1 of this Contract
  + 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 Annex no. 1 of this Contract

**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 Annex no. 1 of this Contract

**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 Annex no. 1 of this Contract

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.

