

CONFIDENTIEL

Date / Date: 26/05/2014

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Réf / Ref: CRA-2014-163\_V3

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Mots-clefs / Keywords: passeport, KnL, AMIL, Shield

Objet / Subject: Qualification ePass customer AMIL – shield Guarro KnL

#### Objectifs / Objectives

We will evaluate AMIL ePass, customer booklets, on ICAO resistance (part of Layer 5) :

- bending
- twisting
- stamp test
- back pocket

We will apply ICAO and AWS tests.

#### Conclusion

Results are 100% OK ICAO and AWS tests on all mechanical tests evaluated: bending is at least two times ICAO

**CERTIFICATION OF SIGNATURE :**  
Maître Vincent ROUSSEL,  
Notaire in PARIS, Quai Voltaire  
notwithstanding the contents of the preceding texte,  
nor conferring any legal value thereupon  
certifies and affirms that the signature(s) above  
is that/are those of **N. LESIAUD**  
In PARIS (FRANCE),  
dated **30/03/2013**





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6. le... **01 AVR. 2015**.....
7. par le Procureur général près la Cour d'appel de Paris

..... sous n° **20651**.....

Sceau : **Michel LERNOUT**

Signature : **Michel LERNOUT**  
Avocat Général

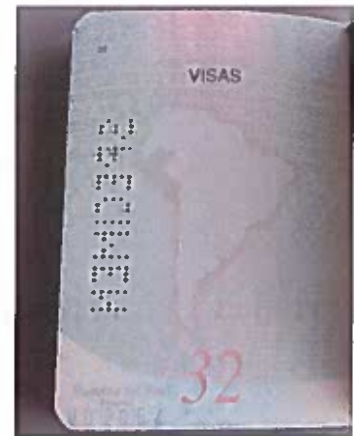
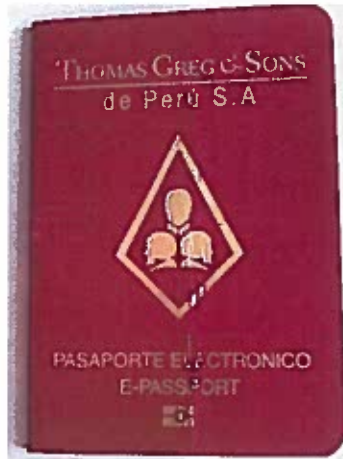


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## 1. ePassport samples

Ref AMIL, customer booklet (except gold foil)

Inlay shield – AWSLA Guarro, Shield Rexor  
Cover customer AMIL  
Antenna KnL (red wire), customer layout  
Customer booklet 32 pages



## 2. Tests done

- Bending test ICAO + AWS
- Torsion test ICAO + AWS (500+500 cycles ay 30°)
- Back pocket ICAO + AWS (1000 cycles recto + 1000 verso)
- Stamp test ICAO + AWS (5\*99 falls on chip)

## 3. Results :

### 4.1 Torsion test:

Torsion test under ICAO: 100% OK  
Torsion test under AWS: 100% OK

### 4.2 Back pocket test:

Back pocket under ICAO: 100% OK  
Back pocket under AWS: 100% OK

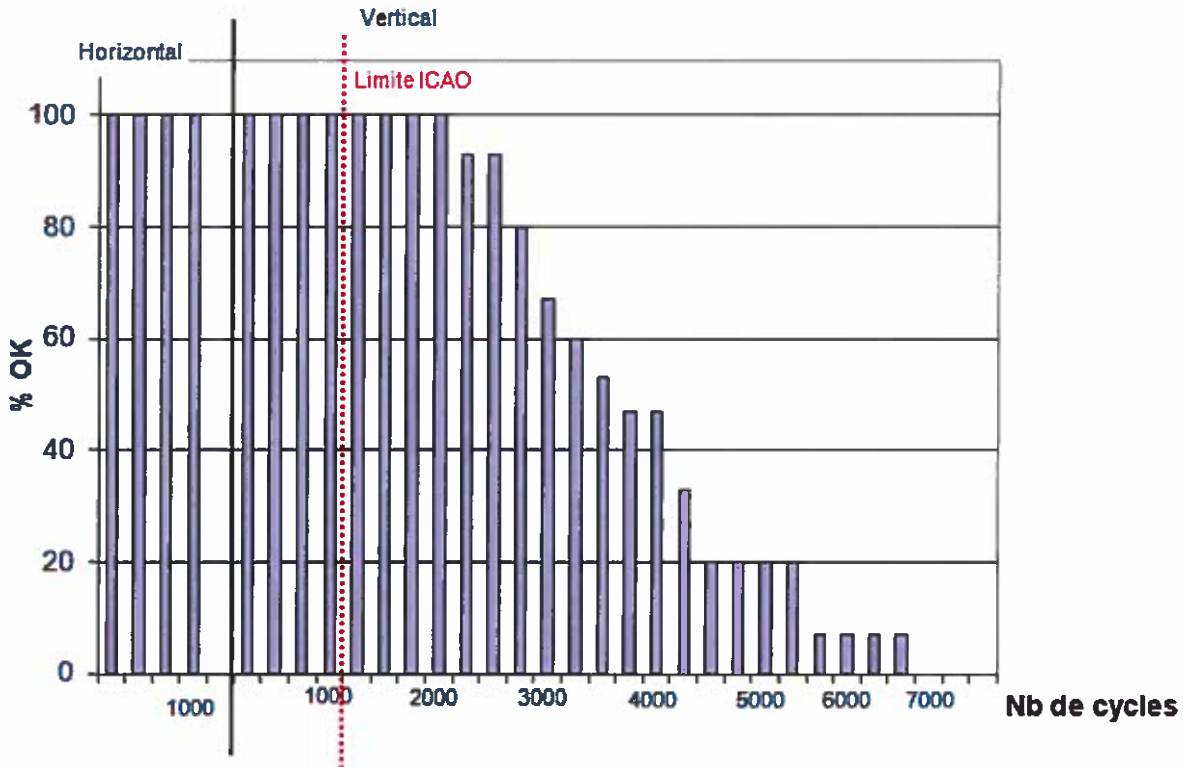
### 4.3 Stamp test:

Stamp test under ICAO: 100% OK  
Stamp test under AWS: 100% OK



#### 4.4 Bending tests ICAO + AWS

### Bending resistance AMIL customer ePass



**Note :**

Results are under ICAO requirement and also 2 times ICAO resistant

**Conclusion**

- Results are 100% OK ICAO and AWS tests on all mechanical tests evaluated: bending is at least two times ICAO

End  
Amaury CHASSEUX



