



# **Aviation security and LAGs: The new screening regime**

Sarah Branquinho,  
President ETRC

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# New screening regime: Phase 1 from January 31<sup>st</sup> 2014

- LAGs in STEBs from DF shops in all other countries on transfer at EU airports +Iceland, Switzerland, Norway

These are currently not allowed (except from Singapore + KL)

- LAGs in STEBs transferring in USA from EU, Canada and Australia

Currently not allowed except if repacked in baggage for re-check in

- Medicines and special dietary requirements

# New screening regime for transfer passengers: January 31<sup>st</sup> 2014

PRODUCTS WHICH THEY HAVE CARRIED BEFORE  
MAY **'FAIL' AND BE RESCREENED**

PASSENGERS ARE LIKELY TO ENCOUNTER  
**LONGER PROCESSING TIMES**

- AIRSIDE SALES IMPACT (LESS DWELL TIME)?
- FRUSTRATION?
- RISK OF VIRAL SOCIAL MEDIA IMPACT?

# Potential issues with LEDS

Some machines have difficulties screening certain types of LAGs:

- Multipacks – bottles need to be screened separately
- Packaging such as metal, wood, ceramic...
- Thick or opaque glass
- Unusual shapes/sizes
- Viscous liquids such as creams, honey, syrups, jams and spreads

# LEDS process

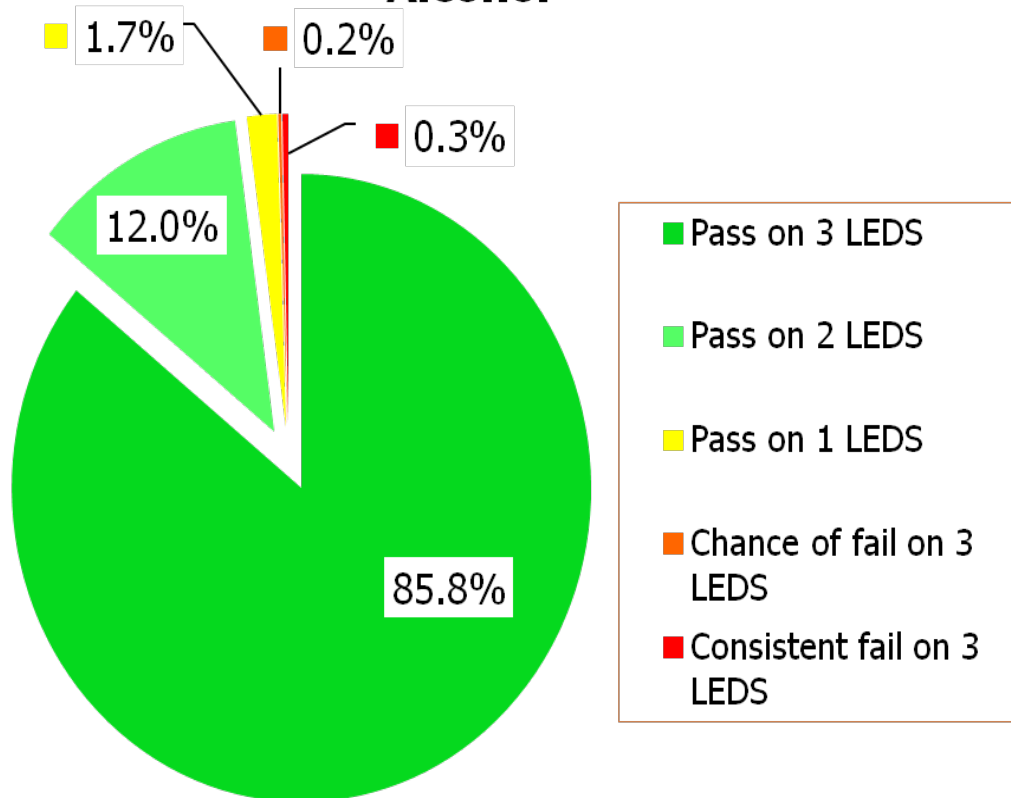
- Most machines use x-ray, laser or ultrasonic technology
- Airports are expected to use a combination of machines for optimal results
- Product or container that fails in one machine will in majority of cases pass in another type
- In principle, after 2 alarms, passengers should be interviewed to clear the STEB

# O&I Study: Scope

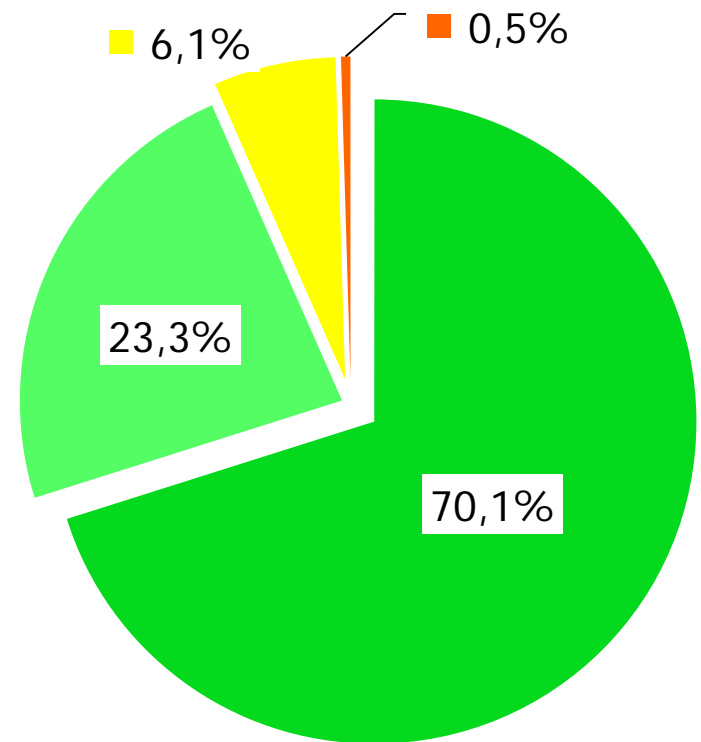
- Heathrow Airport & ETRC, supported by WDFG funded a trial at WDFG's warehouse of
  - 600 liquor skus
  - 1061 beauty skus (all over 100ml)
  - using 3 machines
  - completing over 25,000 scans

## Overall screening performance

### Alcohol



### Beauty products



- 86% of alcohol and 70% of beauty products passed LEDS screening on all 3 machines
- 98% of alcohol and 93% of beauty products passed on 2 or more machines

The majority of duty free LAGs should pass primary or secondary LEDS screening

# O&I study: Liquor results

- 86% passed all 3 LEDS (Liquid Explosive Detection Systems)
- 98% passed at least 2 out of 3 LEDS
- All could be repackaged 'as new'

## BUT:

- Wine boxes failed
- 26% of Vodka failed 1 or more LEDS
- Premium packaging greatly increases chance of failure
- Liqueurs have increased failures on X-ray LEDS
- Many alcohol failures require investigation
- 6% of tests provided inconsistent results



# O&I study: Beauty results (>100ml)

- Only 70% passed all 3 LEDS (Liquor 86%)
- 93% passed at least 2 out of 3 LEDS
- 52% of all items had outer packaging that could be removed/replaced without damage
- 31% of beauty products were wrapped in cellophane or had a seal which could not be replaced

## BUT:

- 100% of deodorants failed 1 LEDS
- 41% of perfumes failed 1 LEDS and 7% failed on 2 or more LEDS
- The majority of beauty product failures require further investigation
- 9% of tests provided inconsistent results

# Opportunities for retailers at non-EU airports: flights through EU

Able to sell for the first time since 2006 to passengers transferring in the EU

e.g. Doha - London - Edinburgh

Lima - Madrid - Lisbon

- **Short term:** staff training and no big information campaign to minimise number of transferring pax with STEBs until regime beds down
- **Long term:** potentially opens new commercial opportunities

# Opportunities for retailers at non-EU airports: flights through USA

Situation unclear and to be confirmed:

- Probably LAGs only allowed if arriving from EU, Canada or Australia e.g. London - Chicago – Tampa
- Pax from third countries to USA may not carry LAGs in STEBs on transfer e.g. Doha - NY - Tampa

# Guidelines to retailers at non-EU airports

- **Communications to passengers:**
  - We would advise **not to promote** the new regime initially to customers in your shops
  - Where possible, present your customers who will be transferring at an EU airport with **options that are easier to screen** (2 single bottles, packed separately, instead of a doublepack for instance)
  - Encourage purchase of **beauty products in 100ml or less**

# Guidelines to **ALL** retailers for transferring passengers

- Ensure STEBs are fully ICAO compliant
- Pack **only one bottle** per STEB (and no other products)
- Include **receipt or copy receipt** in each bag
- Encourage purchase of **beauty products in 100ml or less**
- Pack **LAGs 100 ml and under** in a separate, clearly marked STEB

# NEXT STEPS

Results shared with

- retailers
- brands
- airports
- technology providers



# Screening limitations

- Some systems cannot/are **not certified to scan through STEBS** (to be removed at screening)?
- Some systems cannot/are not certified to scan through **packaging**
- Most systems cannot screen **multiple items**
- Systems require that LAGS are positioned correctly in tray or container
- **Certain liquids** are more likely to false alarm