

# EUROCONTROL Maastricht UAC

## Procedures regarding Alcohol & Drugs

EUROCONTROL Medical Service

EUROCONTROL Security and Safety Services – process owner

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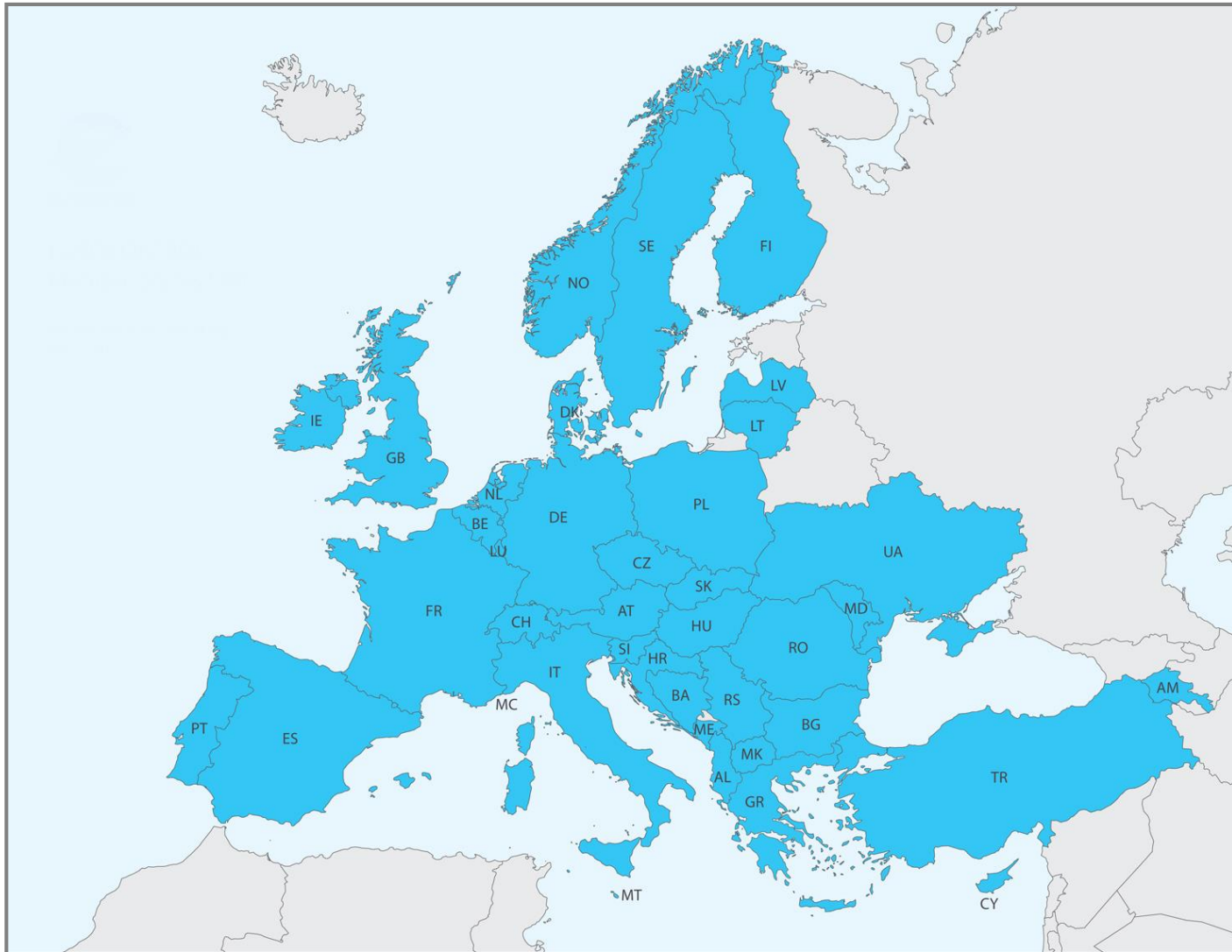
# Disclosure Information

I have no financial relationships to disclose.

I'm working at EUROCONTROL Upper Area Control Centre, as specialist in Occupational and Aviation Medicine

I will discuss the following investigational use in my presentation:  
Dräger machines used at MUAC for alcohol and drug testing ; process owner is the Security and Safety-Services

# EUROCONTROL Member States (41)



# MAASTRICHT UAC



260,000 km<sup>2</sup> (above DFL 245) extending over Belgium, the Netherlands, Luxembourg and north-west Germany

1,671,185 IFR flights controlled in 2014 (+2.4%)

Punctuality (2014): 98.9% (0.17 min/flight)

Annual costs (2014): € 145 Mio

Revenues generated (2014): € 472 Mio  
RoI: 3.2

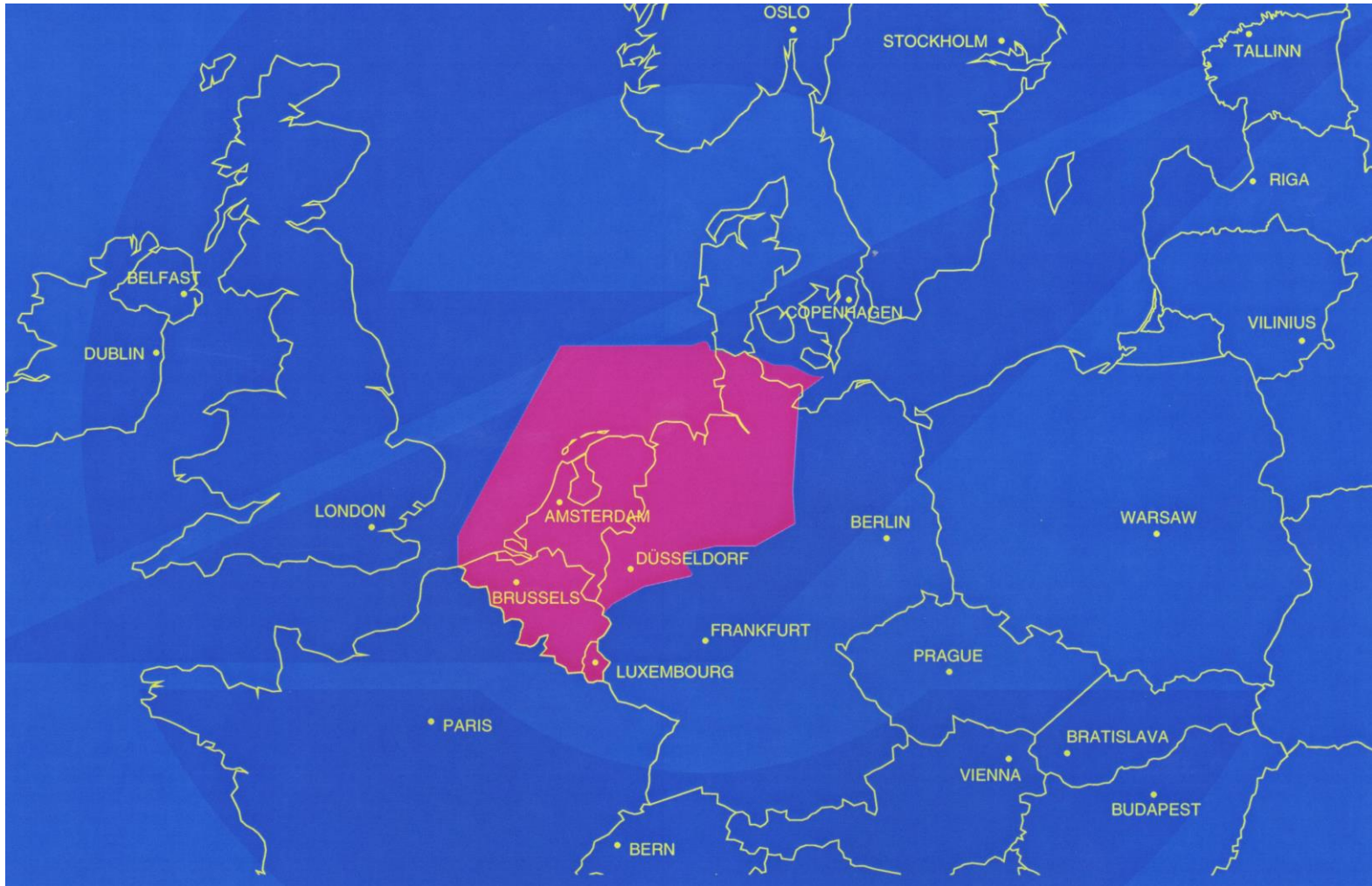
618 employees, among whom:

304 air traffic controllers  
104 other operational staff  
151 engineers

Video: [MUAC - The Future. Today](#)



# Area of ATC responsibility



# Substance abuse avoidance procedure principles

- Alcohol & Drug testing : Relationship Employer / Employee
- Control action done by the Organisation ( Security )
- Medical Service only involved in design of method and in case of positive testing – medical secret not endangered
- System was only implemented after social dialogue was completed

# Legal context

## Why?

- EUROCONTROL internal decision (DG)
- EASA Safety Requirements
- Request from Dutch Aviation Police

## What?

- Self regulation system, monitored and audited by Dutch State
- Applicable to everyone intending to enter into or present in defined sensitive areas
- Does not exclude intervention of national police

# In practice

## Where?

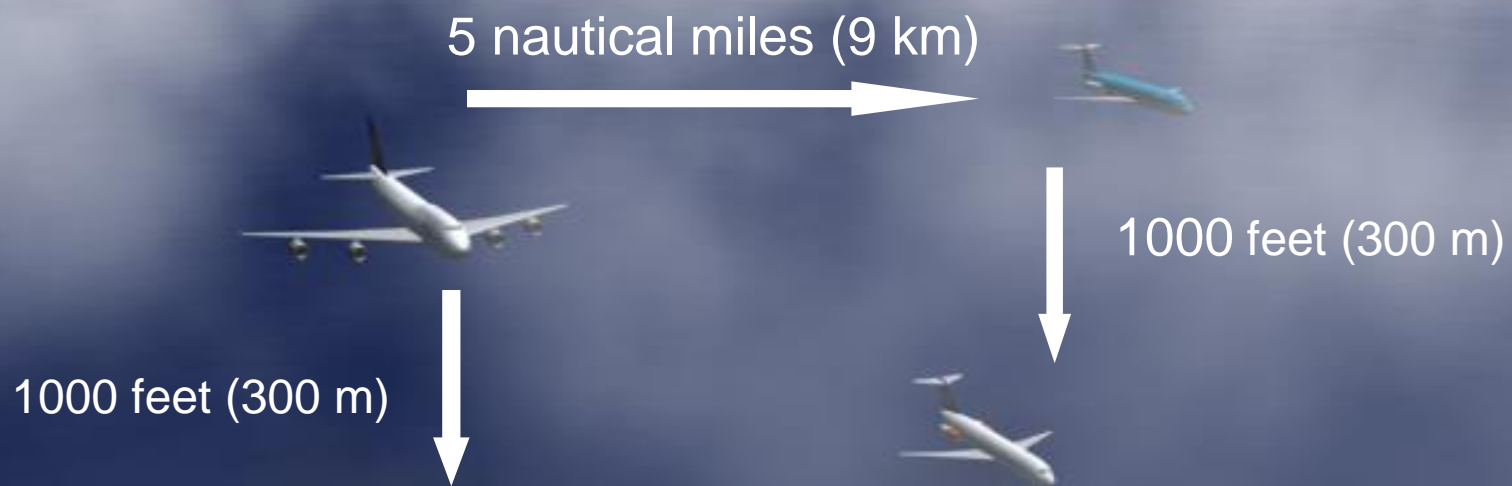
- In “Sensitive Areas”:  
Ops-room, Training room, Technical rooms and Security rooms.

## How often?

- At least once a week
- Random time / location
- At least 3 individuals (not limited to MUAC staff)







## How?

Voluntarily / “at random” / suspicion by manager

Alcohol: breath analyzer

- 1st pre-selection test > if positive result ( $\geq 0,2 \text{ ‰}$ ) :
- 2nd test with calibrated equipment

Drugs: oral fluid sample

- 1st pre-selection test > if positive result :
- 2nd pre-selection test > positive result again :
- 3th saliva sample > test in independent laboratory

Hygienic through disposable materials

# Apparatus 1

DRÄGER  
ALCOTEST 6510  
**Pre-selection device**



# Apparatus 2



DRÄGER  
ALCOTEST 7110 MK III NL  
**Evidential device if officially  
calibrated**

# Drugs

Analysis for 8 main groups:

- (Met-)Amphetamines (for example XTC) (\*)
- Cannabinoids (hashish, marihuana) (\*)
- Cocaine (stimulant) (\*)
- Opiates (pain relief such as morfine) (\*)
- Methadone (mostly used by addicts as substitute for heroin)
- Barbiturates (sleeping pills or tranquilizers)
- Benzodiazepines (sleeping pills or tranquilizers)
- Tricyclic Antidepressants (psychotropic drugs)

(\*) *PCP Phencyclidine (veterinary narcotic)*

# Apparatus 3

DRÄGER DRUGTEST  
1200 STK & DCD 5000



**Pre-selection device**



**Preservation of evidence for  
laboratory test**



# Apparatus 4

DRÄGER DRUGTEST 5000  
**Pre-selection device**





# Results

- 2005 - August 2012 :
  - Some 500 tests
  - 5 positive alcohol tests
  - 0 positive drug tests
  
- August 2012 – August 2014 :
  - 314 alcohol tests
  - 106 drug tests
  - All negative
  
- September 2014 – October 2015 :
  - 155 alcohol tests
  - 53 drug tests
  - All negative

# Costs

- **Fixed:**
  - 3 pre-selection alcohol-testers (650 Euro each)
  - 1 analyzer alcohol (7.500 Euro)
  - 1 analyzer drugs (10.000 Euro)
- **Variable:**
  - Saliva sample kits (drugs)
  - Lab Analyses (drugs)
  - Mouthpieces (alcohol)
  - Maintenance by supplier (Draeger)
  - Calibration by independent body (NMI)

# Lessons learned

- Time consuming discussions with Staff Reps at all levels!
- $E = PC^2$  (Effect = People x Communication<sup>2</sup>)
- Insufficient reliability of results can damage reputation of persons and the process

# Questions ?

