


**Exercise 2**  
Static Airspace Plan



The European Organisation for the Safety of Air Navigation

---

---

---

---

---

---

---

---

---

---

**Exercise parameters Civil**

**Objective:** Improve existing situation by establishing Static Airspace planning

- Four (4) Countries, Blue, Yellow, Orange and Green (See MAP);
- Teams are working at regional level
- Peacetime without conflicts
- Four (4) Big airports\* (Charles,Blair,Switch,Flow) with City Pairs (C/S, F/S,C/F)\*
- International Traffic Flows determined by Gates on edge of MAP\*.
- Navigation through VORs – **PBN not applied**
- Capacity existing Routes sufficient.
- Permanent A.I.P. Routes\*:
  - Route 1: Gate A1 – 5 – 6 Gate A2
  - Route 2: Gate B1 – 3 – 9 – Gate B2
  - Route 3: Gate B1 – 2 – 10 – Gate C1
  - Route 4: Gate B1 – 3 – 7 – 10 – Gate C1
- \* Details listed in A.I.P

**Existing Routes are too long and not direct!!!**

---

---

---

---

---

---

---

---

---

---

**Exercise parameters Military**

**Objective :** Improve existing situation by establishing Static Airspace planning

- Four (4) Countries, Blue, Yellow, Orange and Green (See MAP);
- Teams are working at regional level
- Peacetime without conflicts
- Four (4) Big airports (Charles,Blair,Switch,Flow) with City Pairs (C/S, F/S,C/F)\*
- International Traffic Flows determined by Gates on edge of MAP\*
- Navigation through VORs – **PBN not applied**
- Permanent A.I.P. Routes\*:
  - Route 1: Gate A1 – 5 – 6 Gate A2
  - Route 2: Gate B1 – 3 – 9 – Gate B2
  - Route 3: Gate B1 – 2 – 10 – Gate C1
  - Route 4: Gate B1 – 3 – 7 – 10 – Gate C1
- Five (5) Military Airbases (MAB), MAB 1 – 5\*
- Four (4) Military Training Areas\*
- \* Details listed in A.I.P

---

---

---

---

---

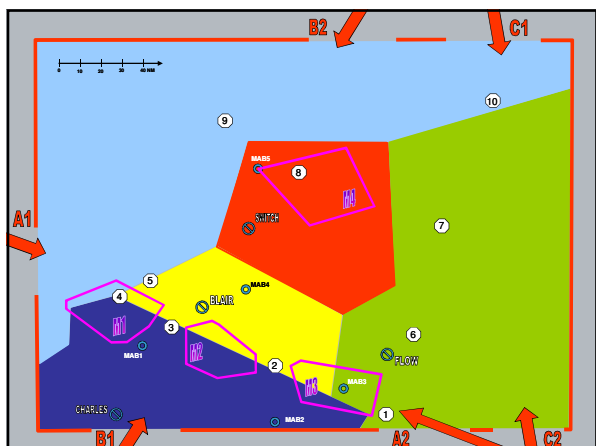
---

---

---

---

---




---

---

---

---

---

---

---

---

**AIP Entries (1)**

AIP Blue, Yellow, Orange, Green ENR 3.2.x Effective: 1 Jan 11

| Identification<br>Significant points | Mag<br>Track | Dist<br>(NM) | Maximum<br>Minimum | Elevation        |                  | Remarks          |                  |
|--------------------------------------|--------------|--------------|--------------------|------------------|------------------|------------------|------------------|
|                                      |              |              |                    | Controlling Line | Controlling Line | Controlling Line | Controlling Line |
| <b>Air Routes</b>                    |              |              |                    |                  |                  |                  |                  |
| R1<br>Gate A1 - 5-6 - Gate A2        | n/a          | 200          | FL 250<br>FL 450   |                  |                  |                  |                  |
| R2<br>Gate B1 - 3 - 9 - Gate B2      | n/a          | 225          | FL 250<br>FL 450   |                  |                  |                  |                  |
| R3<br>Gate B1 - 2 - 10 - Gate C1     | n/a          | 260          | FL 250<br>FL 450   |                  |                  |                  |                  |
| R4<br>Gate B1 - 3 - 7 - Gate C1      | n/a          | 280          | FL 250<br>FL 450   |                  |                  |                  |                  |
| <b>City Pairs</b>                    |              |              |                    |                  |                  |                  |                  |
| Charles - Switch                     | 020<br>200   | 105          | FL 180<br>FL 300   |                  |                  |                  |                  |
| Flow - Switch                        | 120<br>300   | 89           | FL 180<br>FL 300   |                  |                  |                  |                  |
| Charles - Flow                       | 070<br>250   | 135          | FL 180<br>FL 300   |                  |                  |                  |                  |

---

---

---

---

---

---

---

---

**AIP Entries (2)**

AIP Blue, Yellow, Orange, Green ENR 3.2.x Effective: 1 Jan 11

| Name                                   | Operating Hours   | Elevation | Runways              | Remarks |
|--|-------------------|-----------|----------------------|---------|
| <b>CIV AERODROMES</b>                  |                   |           |                      |         |
| Blue Country<br>Charles International  | MON-SUN 0500-2300 | 1100 ft   | 0927<br>0250         |         |
| Yellow Country<br>Blair International  | MON-SUN 0500-2200 | 2190 ft   | 0624<br>0119         |         |
| Orange Country<br>Switch International | MON-SUN 0400-2300 | 187 ft    | 3618<br>0927<br>0250 |         |
| Green Country<br>Flow International    | MON-SUN 0600-2300 | 756 ft    | 05032L<br>05L230R    |         |
| <b>MIL AERODROMES</b>                  |                   |           |                      |         |
| MAB 1                                  | MON-FRI 0700-1900 | 756 ft    | 0250                 |         |
| MAB 2                                  | MON-FRI 0700-2100 | 179 ft    | 0525                 |         |
| MAB 3                                  | MON-FRI 0500-2000 | 1900 ft   | 0725                 |         |
| MAB 4                                  | MON-FRI 0700-2000 | 1246 ft   | 0625                 |         |
| MAB 5                                  | MON-FRI 0700-1900 | 123 ft    | 0321                 |         |

---

---

---


---

---

---

---

---



### AIP Entries (3)

AIP Blue, Yellow, Orange, Green ENR 5.1-x  
From 1 Jan 11

| IDENTIFICATION NAME<br><small>Lateral Limits Coordinates</small> | Upper Limit<br>Lower Limit | Activation Time   | Remarks<br>Type of Activity<br>Operating Authority                           |
|--|----------------------------|---|--|
| 1  | 2                          | 3   | 4  |
| R001 - M1  | FL450<br>FL110             | Mon - Thu 0800 - 1800<br>Fri: 0800 - 1700<br><br>Hours of activation are published by NOTAM | Air Combat Training<br>Parajumping<br><br><br>ZZZZ Control<br>FREQ: 248.5MHz |
| R002 - M2  | FL450<br>FL110             | Mon - Thu 0800 - 1800<br>Fri: 0800 - 1700<br><br>Hours of activation are published by NOTAM | Air Combat Training<br><br><br><br>ZZZZ Control<br>FREQ: 362.25 MHz          |

---

---

---

---

---

---

---


---

---

---

---

---



### AIP Entries (4)

AIP Blue, Yellow, Orange, Green ENR 5.1-x  
From 1 Jan 11

| IDENTIFICATION NAME<br><small>Lateral Limits Coordinates</small> | Upper Limit<br>Lower Limit | Activation Time<br>Penetration Conditions   | Remarks<br>Type of Activity<br>Operating Authority                               |
|--|----------------------------|---|--|
| 1  | 2                          | 3   | 4  |
| R003 - M3  | FL450<br>FL110             | Mon - Thu 0800 - 1800<br>Fri: 0800 - 1700<br><br>Hours of activation are published by NOTAM | Air Combat Training<br>Drone flying<br><br><br>ZZZZ Control<br>FREQ: 362.75 MHz  |
| Mil Training Area - M4   | FL450<br>FL110             | Mon - Thu 0800 - 1800<br>Fri: 0800 - 1700<br><br>Hours of activation are published by NOTAM | Air Combat Training<br>UAV Operations<br><br><br>ZZZZ Control<br>FREQ: 362.5 MHz |

---

---

---

---

---

---

---

---


---

---

---

---

## CIVIL PRACTICAL EXERCISE 2



The European Organisation for the Safety of Air Navigation

---

---

---

---

---

---

---


---

---

---

---

---



### Tasks for Civil participants

1. Reduce Route Length for all Routes
2. Develop and agree with Military partners a Static Airspace Plan
3. Define Conditions to execute your Plan

---

Civil exercise parameters:

- peaks in civil traffic is requiring that **the shortest routes be used**
- on the international traffic flows, the airlines request to fly primarily between FL280 and FL360
- on the regional traffic flow (city pairs) the airlines request to fly between FL160 and FL280

---

---

---

---

---

---


---

---

---

---

## MILITARY PRACTICAL EXERCISE 2



The European Organisation for the Safety of Air Navigation

---

---

---

---

---


---

---

---

---

---



### Tasks for Military participants

1. Develop and agree with Civil partners a Static Airspace Plan
2. Design new training area to implement a new Weapon system
3. Define Conditions to execute your Plan

---

Military exercise parameters:

- Minister of Blue Defense aims to deploy new fighters on MAB 1 and 2
- These new fighters will carry new weapon systems
- New weapon systems requires possibility of conducting beyond visual range intercepts
- Above requires a training area of 100 x 25 NM / FL 200 - 450;
- New training area can only be achieved using existing M1,2,3.
- No Air to Air refueling capacity available

---

---

---

---

---

---


---

---

---

---

Deliverable EXERCISE 2 in the format  
airspace/route options drawn on **MAP** together  
with Civil/Military agreed Conditions on  
**Flip Over**



The European Organisation for the Safety of Air Navigation

---

---

---

---

---

---

---

---