

# Exercise 2

## Static Airspace Plan

# Exercise parameters Civil

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

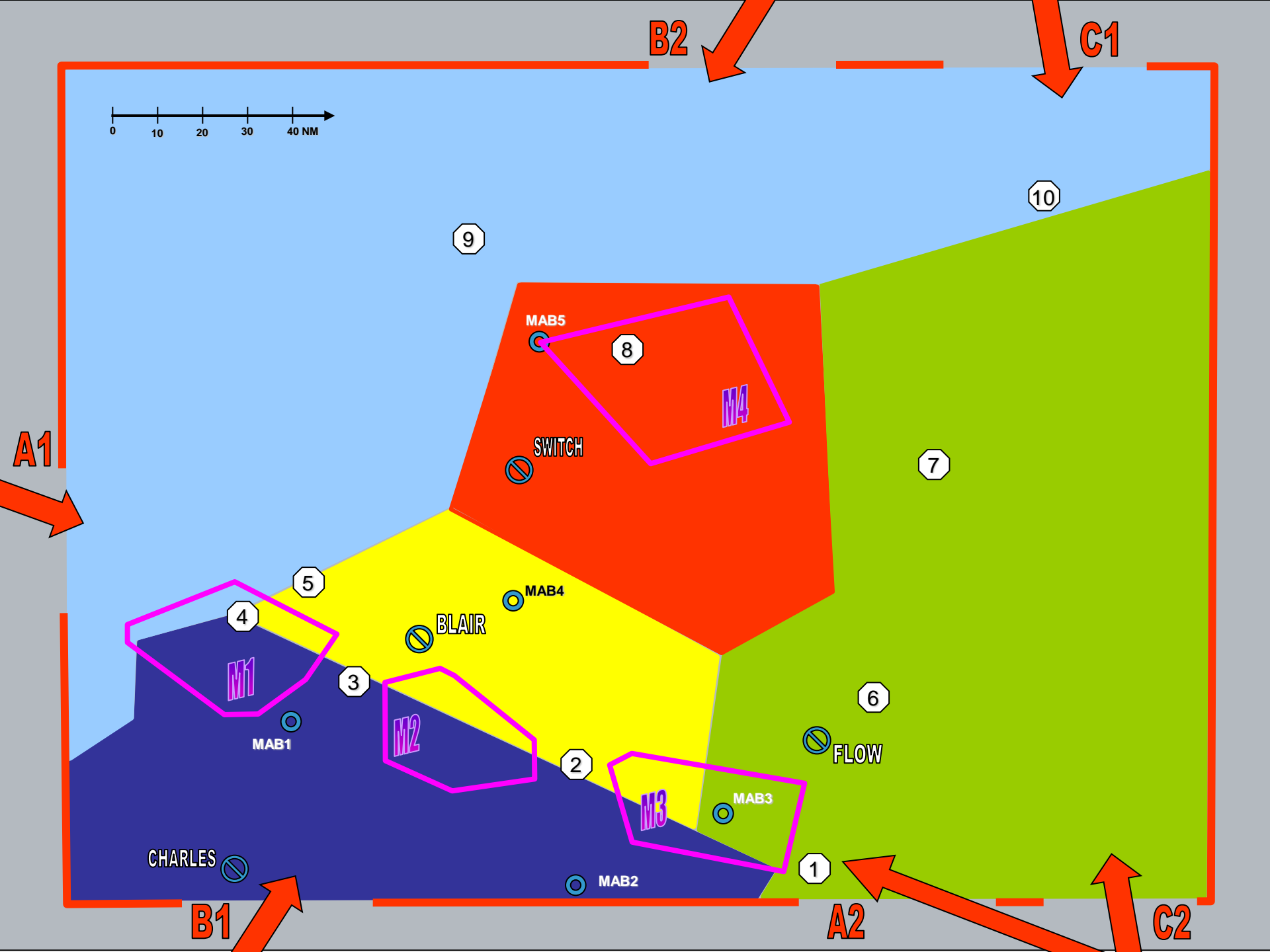
- Four (4) Countries, Blue, Yellow, Orange and Green (See MAP);
- Teams are working at regional level
- Peacetime without conflicts
- Four (4) Big airports\* (Charles, Blair, Switch, Flow) with City Pairs (C/S, F/S, C/F)\*
- International Traffic Flows determined by Gates on edge of MAP\*.
- Navigation 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 Significant points	Mag Track	Dist (NM)	Maximum Minimum	Directions		Remarks Controlling Unit
				Odd	Even	
1	2		3	4		5
<b>Air Routes</b>						
R1 Gate A1 – 5 - 6 - Gate A2	n/a	200	<u>FL 250</u> FL 450			
R2 Gate B1 – 3 - 9 - Gate B2	n/a	225	<u>FL 250</u> FL 450			
R3 Gate B1 – 2 -10 - Gate C1	n/a	260	<u>FL 250</u> FL 450			
R4 Gate B1 – 3 – 7 - Gate C1	n/a	280	<u>FL 250</u> FL 450			
<b>City Pairs</b>						
Charles – Switch	020 200	105	<u>FL 180</u> FL 300			
Flow– Switch	120 300	89	<u>FL 180</u> FL 300			
Charles - Flow	070 250	135	<u>FL 180</u> FL 300			



# AIP Entries (2)

AIP Blue, Yellow, Orange, Green

ENR 3.2-x  
Effective: 1 Jan 11

Name	Operating Hours	Elevation	Runways	Remark
<b>CIV AERODROMES</b>				
Blue Country <b>Charles International</b>	MON-SUN 0500-2300	1100 ft	09/27 02/20	
Yellow Country <b>Blair International</b>	MON-SUN 0500-2200	2190 ft	06/24 01/19	
Orange Country <b>Switch International</b>	MON-SUN 0400-2300	187 ft	36/18 09/27 02/20	
Green Country <b>Flow International</b>	MON-SUN 0600-2300	756 ft	05R/23L 05L/23R	
<b>MIL AERODROMES</b>				
<b>MAB 1</b>	MON-FRI 0700-1900	756 ft	02/20	
<b>MAB 2</b>	MON-FRI 0700-2100	179 ft	05/23	
<b>MAB 3</b>	MON-FRI 0500-2300	1909 ft	07/25	
<b>MAB 4</b>	MON-FRI 0700-2000	1246 ft	08/26	
<b>MAB 5</b>	MON-FRI 0700-1900	123 ft	03/21	

# AIP Entries (3)

AIP Blue, Yellow, Orange, Green

*ENR 5.1-x  
From 1 Jan 11*

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

# AIP Entries (4)

AIP Blue, Yellow, Orange, Green

*ENR 5.1-x  
From 1 Jan 11*

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



# CIVIL PRACTICAL EXERCISE 2

# 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
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## 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

# 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

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## 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****