

**MINISTRY OF NATIONAL DEFENCE**

.....

**STAFF OF THE NATIONAL PEOPLE'S ARMY**

.....

**TERRITORY AIR DEFENCE**

**FORCES COMMAND**

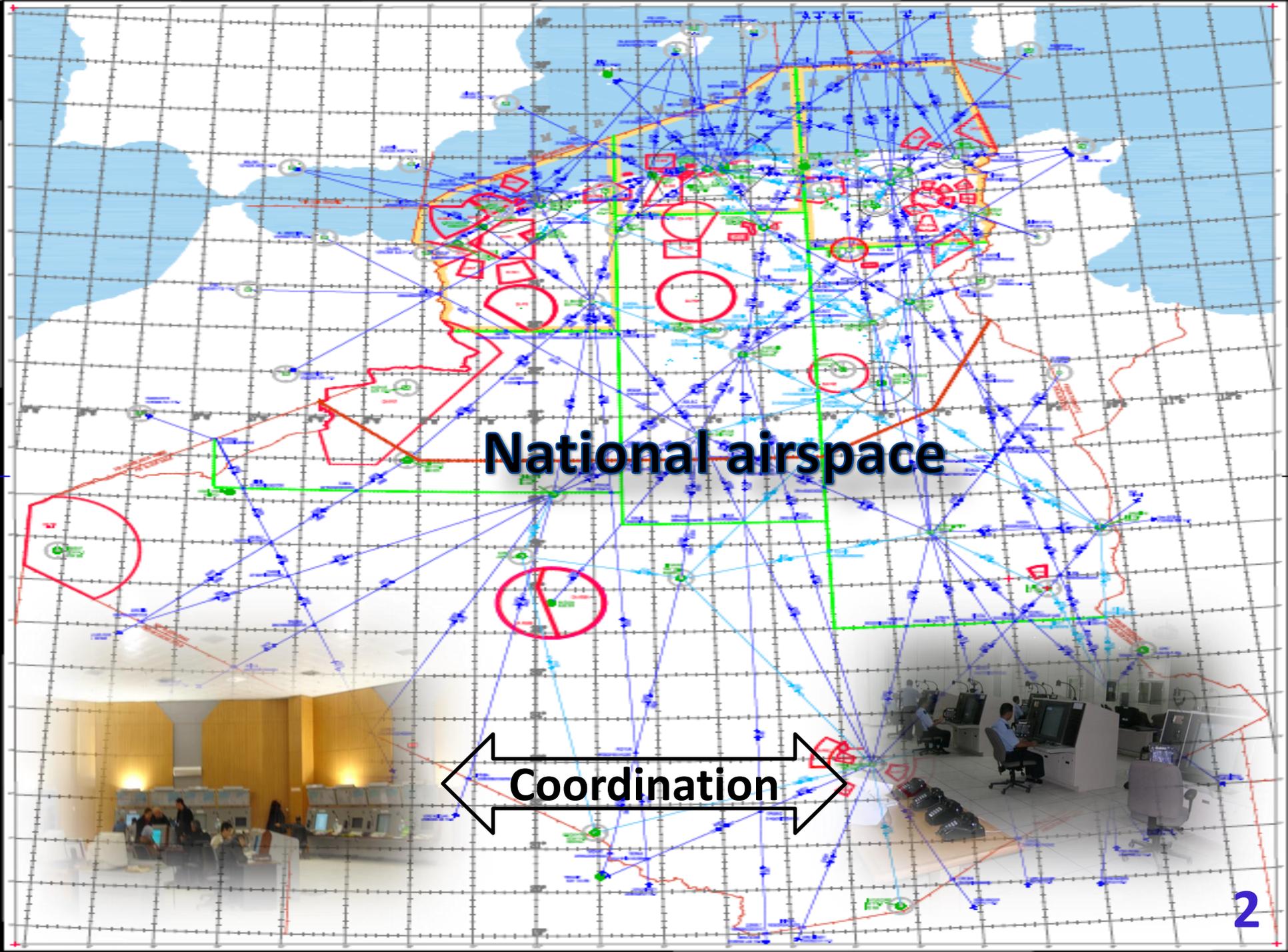


**CIVIL- MILITARY COORDINATION  
"AIRSPACE MANAGEMENT" IN ALGERIA**



**PRÉSENTED BY LT/COL BOULARES LYES**

**ALGIERS ..... MARCH 2018**



**National airspace**

**Coordination**

# **CIVIL- MILITARY COORDINATION IN THE FIELD OF AIRSPACE MANAGEMENT**

- **PREFACE**

- I. BIRTH OF THE CONCEPT**

- II. REGULATION FRAMEWORK**

- III. GOALS OF COORDINATION**

- IV. LEADING PRINCIPLES**

- V. BODIES**

- VI. MAIN ACTIVITIES SUBJECT OF COORDINATION**

- VII. PERSPECTIVES**

- **CONCLUSION**

PREFACE

BIRTH OF  
CONCEPT

REGULATION  
FRAMEWORK

GOALS OF  
COORDINATION

LEADING  
PRINCIPLES

BODIES

MAIN  
ACTIVITIES

PERSPECTIVES

CONCLUSION

# PREFACE

**Civil- Military Coordination is based on an agreement between the two parts using jointly the same airspace, taking in account flights safety.**

**The compatibility of the general and military air traffic is the resultant of all taken actions, which make possible carrying out their activities in a safe and efficient manner, in accordance with the regulation proper to each one of them.**

**In some cases of incompatibility needs', sectorisation of the airspace is the only plausible solution in air traffic management.**

**Our country constantly seeks to optimize the air safety, to provide a sufficient capacity in response to traffic evolution, to ensure the maximum use of the airspace and the compatibility of the air traffic and, to bring about a balance between the legitimate needs of all users.**

PREFACE

BIRTH OF  
CONCEPT

REGULATION  
FRAMEWORK

GOALS OF  
COORDINATION

LEADING  
PRINCIPLES

BODIES

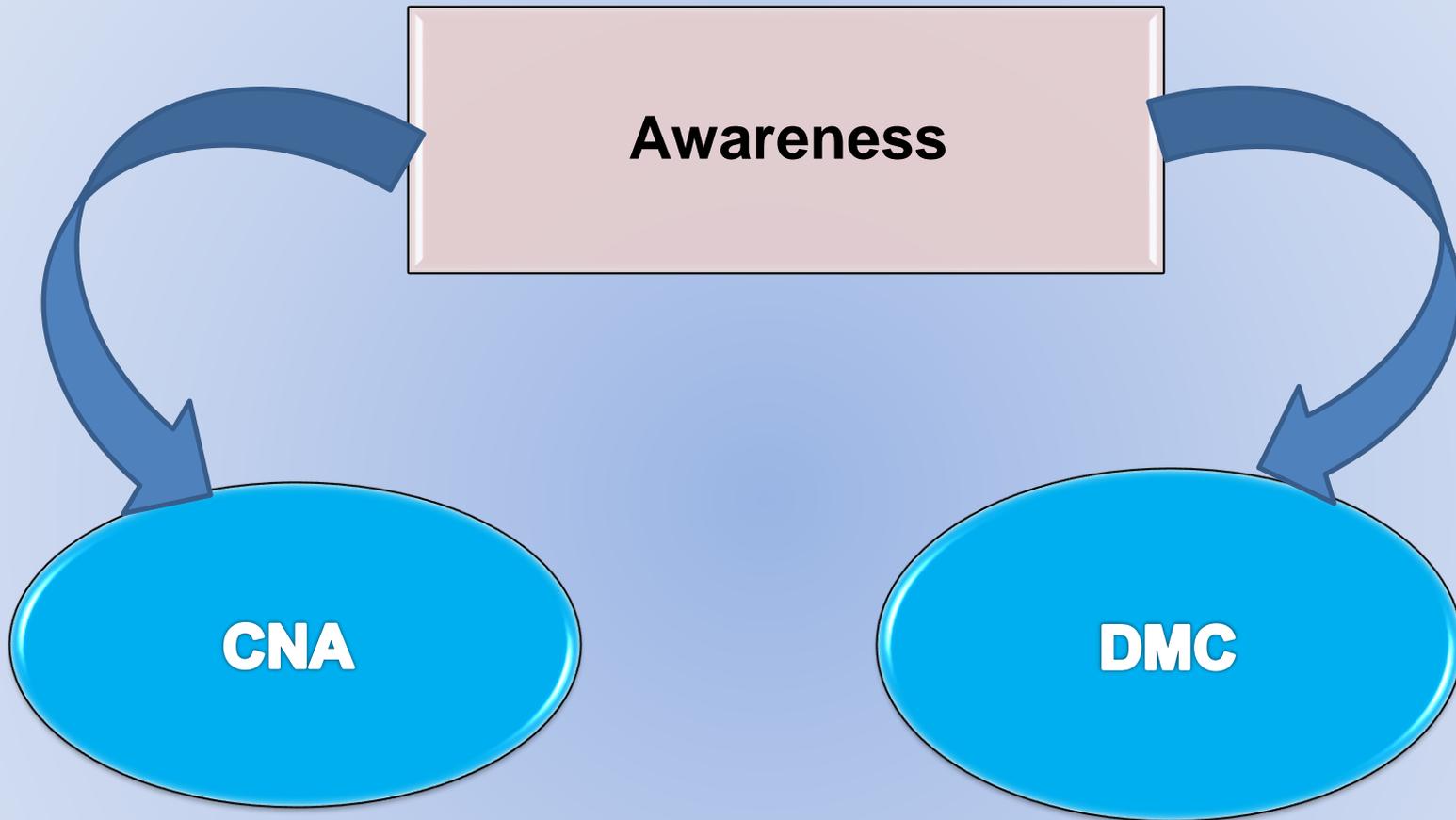
MAIN  
ACTIVITIES

PERSPECTIVES

CONCLUSION

# BIRTH OF THE CONCEPT

**In Algeria, coordination has experienced three (03) rich periods of learning opportunities having marked the sequential and parallel evolutions of the civil and the military aviation.**



# MATURATION

**FACILITIES**

**PLANS**

**TECHNICAL**

**TRAINING**

```
graph TD; A[Achievement] --> B(Birth of Airspace committee); B --> C(Presidential Decree Promulgation);
```

**Achievement**

**Birth of Airspace  
committee**

**Presidential Decree  
Promulgation**

PREFACE

BIRTH OF  
CONCEPT

REGULATION  
FRAMEWORK

GOALS OF  
COORDINATION

LEADING  
PRINCIPLES

BODIES

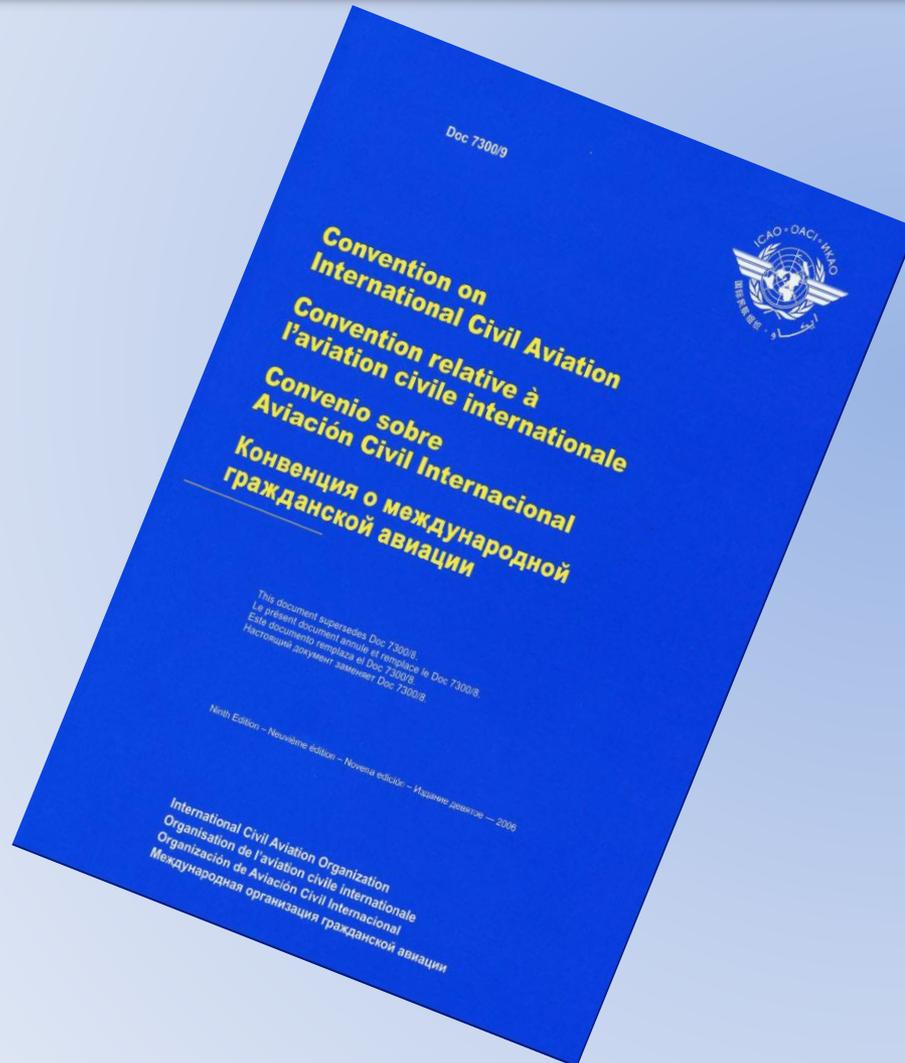
MAIN  
ACTIVITIES

PERSPECTIVES

CONCLUSION

# REGULATORY FRAMEWORK

# INTERNATIONAL REGULATION



## DOC7300 Convention on International Civil Aviation

# INTERNATIONAL REGULATION



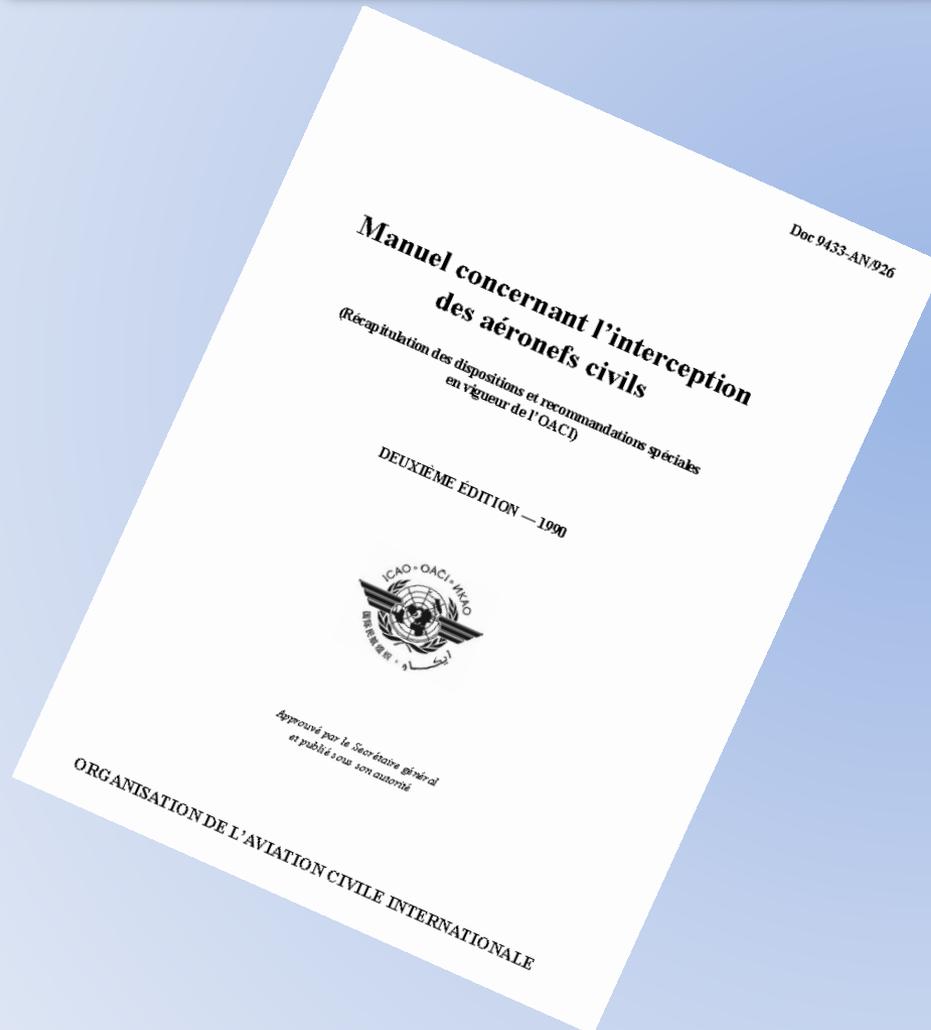
(Doc 4444)  
**Air Traffic Management**

# INTERNATIONAL REGULATION



**(Doc 9426)**  
**Air Traffic Services Planning**

# INTERNATIONAL REGULATION



**(Doc 9433)  
interception of the civil  
aircraft**

# INTERNATIONAL REGULATION

Doc 9554-AN/932

*Manuel concernant les mesures  
de sécurité relatives aux activités  
militaires pouvant présenter un danger  
pour les vols des aéronefs civils*

PREMIÈRE ÉDITION — 1990



*Approuvé par le Secrétaire général  
et publié sous son autorité*

ORGANISATION DE L'AVIATION CIVILE INTERNATIONALE

**(Doc 9554)**

**Security measures related to  
the military activities which  
present a potentially hazardous  
to civil aircraft operations**

# INTERNATIONAL REGULATION



(annex 2)  
Rules of the air

# INTERNATIONAL REGULATION



(annex 11)  
Air traffic services

# INTERNATIONAL REGULATION



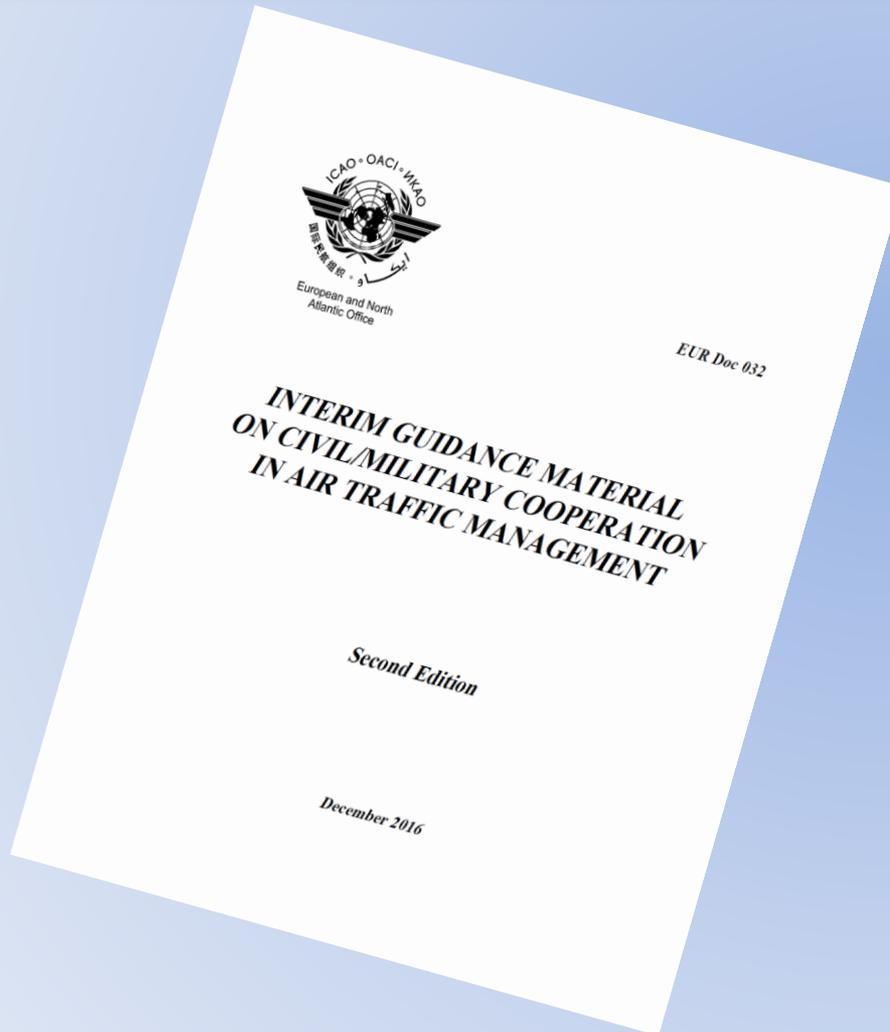
(annex 15)  
Aeronautical information  
services

# INTERNATIONAL REGULATION



## Circular n°330 Civil-Military cooperation in Air Traffic management

# INTERNATIONAL REGULATION



## EUR Doc 032 Guide of Civil-Military cooperation in air traffic management

# NATIONAL REGULATION

- **January 25th, 1971, note bearing deployment of a coordinating military detachment beside regional control center;**
- **August 21st, 1993, interministerial ruling related to the creation and the missions of the airspace committee;**
- **August 21st, 1993, interministerial ruling fixing the conditions of supplying and practicing the air traffic activities by the military personnel;**
- **September 24th, 2001, executive decree n°01-287 fixing the conditions of use and the administration of the state mixed aerodromes;**
- **October 26th, 1997, framework convention of cooperation as regards training concluded between the ministry of national defence and the ministry of transportation;**

# NATIONAL REGULATION

- **March 21st, 2004, convention between the Territory Air Defence forces Command and the Air Navigation National Establishment, related to radar data transfer;**
- **November 29th, 2005, interministerial ruling related to the composition, organization, operation and missions of the commission in charge of coordinating the activities within the state mixed aerodromes;**
- **April 30th, 2006, presidential decree n°06-151 instituting civil-military coordination in air traffic management;**
- **April 7th, 2007, interministerial ruling fixing the composition of the airspace committee and the operating rules of its permanent monitoring office.**

PREFACE

BIRTH OF  
CONCEPT

REGULATION  
FRAMEWORK

GOALS OF  
COORDINATION

LEADING  
PRINCIPLES

BODIES

MAIN  
ACTIVITIES

PERSPECTIVES

CONCLUSION

# Goals of coordination

The principal goals of coordination are summarized as follow:



**Prevention from unsafe situations between the civil and military aircrafts;**

**Rational use of the airspace.**

# Leading principles

```
graph TD; A[Leading principles] --> B[An interdepartmental coordination between the civil and military bodies involved]; A --> C[Operational implementation]
```

**An interdepartmental  
coordination between  
the civil and military  
bodies involved**

**Operational  
implementation**

## **Interdepartmental coordination between the civil and military bodies involved**

Training

## Operational implementation

- ✈ **Tasks execution**
- ✈ **separating civil aircraft from military aircraft**
- ✈ **satisfying national defence needs is imperative**
- ✈ **Communication of GAT flights**
- ✈ **airspace reservations**
- ✈ **creation of a temporary air routes or itineraries**
- ✈ **Coordination during the air movements within the adjacent FIR**

PREFACE

BIRTH OF  
CONCEPT

REGULATION  
FRAMEWORK

GOALS OF  
COORDINATION

LEADING  
PRINCIPLES

**BODIES**

MAIN  
ACTIVITIES

PERSPECTIVES

CONCLUSION

# Bodies

## DIFFERENT LEVELS OF COORDINATION



# AIRSPACE COMMITTEE

**TERRITORY AIR DEFENCE FORCES  
COMMANDER  
/ MINISTRY OF NATIONAL DEFENCE**

**DIRECTOR OF THE CIVIL AVIATION AND  
METEOROLOGY/MINISTRY OF PUBLIC  
WORKS AND TRANSPORTATION**

# Ministry of National Defence



```
graph TD; A[Ministry of National Defence] --> B[Territory Air Defence Forces Command (CFDAT)]; A --> C[Air Forces Command (CFA)];
```

**Territory Air Defence Forces  
Command  
(CFDAT)**

**Air Forces Command  
(CFA)**

# The Ministry of Public Works and Transportation

DG ENNA

DG ONM

Sous Direction  
Navigation

Sous Direction  
Météorologie

**Harmonization**

**Coordination**

**Airspace committee  
Missions**

**proposition**

**Initiation and  
monitoring**

# Permanent Monitoring Office

**Air traffic services  
group**

**Radar Group**

**Mixed aerodromes  
group**

**Training group**

**Meteorology group**

**Regulation group**

## Permanent Monitoring Office

**is in charge of:**

The coordination of the studies interesting the air safety by means of working groups made up in its diligence.

Development and proposal to the airspace committee, for solutions considered appropriate and establishment of periodic reports related to its activities.

# Military Detachment of Coordination

**CFDAT**

**DMC/ CCR Algiers**

**DMC/ CCRTamanghasset**

**AMC ORAN**

**AMC ANNABA**

**AMC  
HASSI MESSAOUD**

**AMC  
TAMMANGHASSET**

**AMC  
HASSI R'MEL**

# Military Detachment of Coordination missions

Ensuring

Participation

collection and  
transmission

Diffusion

introduction

## **Main activities reflecting coordination**

The participation of the military air traffic controllers personnel in the general air traffic control within Algiers CCR and in the approaches of the principal aerodromes.

# PERSPECTIVES

The possibility of experience sharing between the civil and military regards to exploitation of technical equipments.

PREFACE

BIRTH OF  
CONCEPT

REGULATION  
FRAMEWORK

GOALS OF  
COORDINATION

LEADING  
PRINCIPLES

BODIES

MAIN  
ACTIVITIES

PERSPECTIVES

CONCLUSION

**CONCLUSION**

**In coming years, the development of the Algerian aeronautical sector, will know a passion with the favor of economic development, vastness of the country, its geographical location and variety of its resources.**

**Many actions are in building phase, such as the creation of a new RCC to supplement that of Algiers and the reinforcement of air management by the exchange of the radar data between the civil and the military systems.**

**The excellent relations between the civil and military authorities is considered as an essential components aiming to promote and support a better coordination, so that all the users can use the airspace in an optimal way to efficiently meet the operational needs for air transport and national defence while ensuring the environment sustainability.**



**THANKS FOR YOUR ATTENTION**