



# General overview of EUROCONTROL

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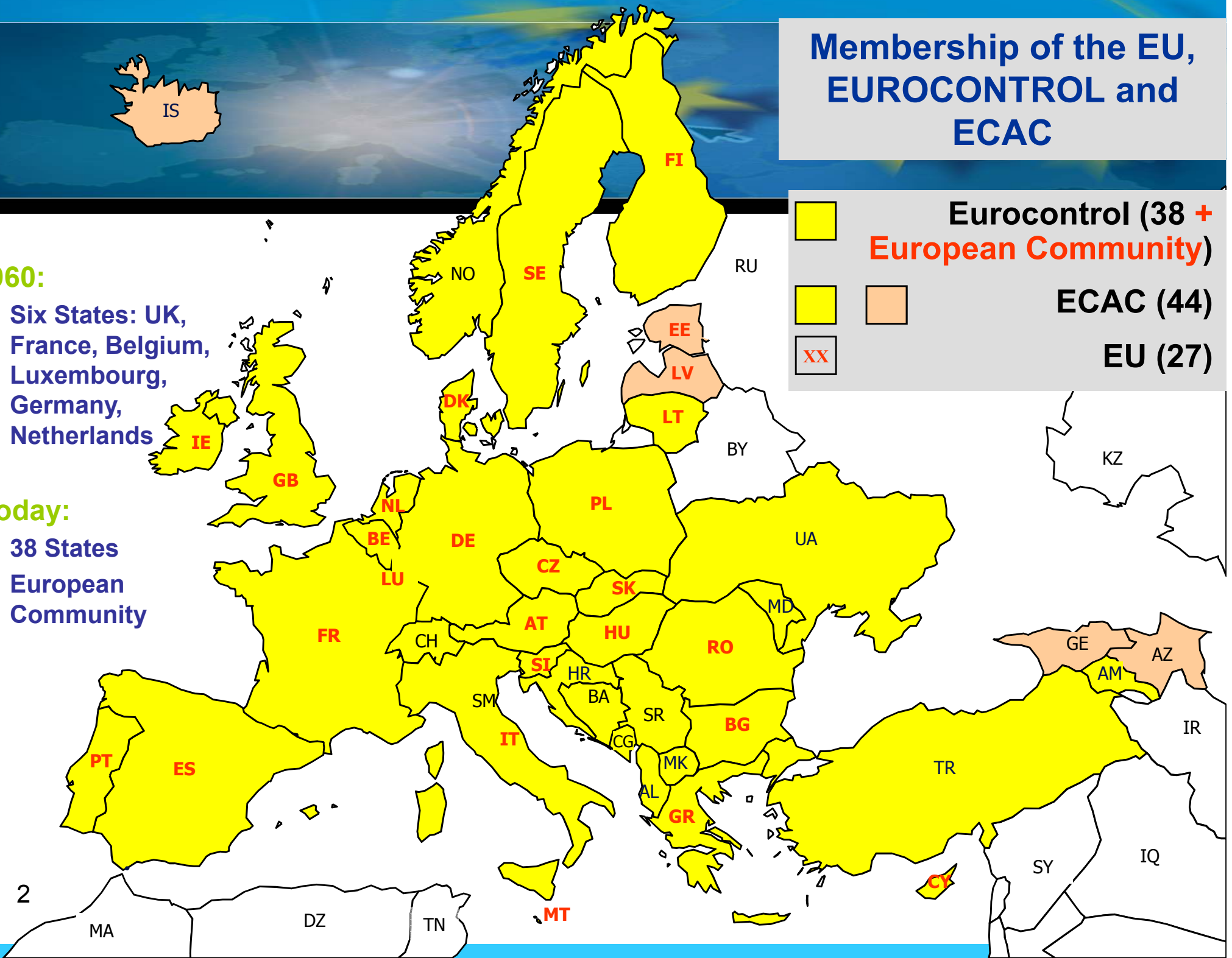
# Membership of the EU, EUROCONTROL and ECAC

1960:

Six States: UK, France, Belgium, Luxembourg, Germany, Netherlands

Today:

38 States European Community



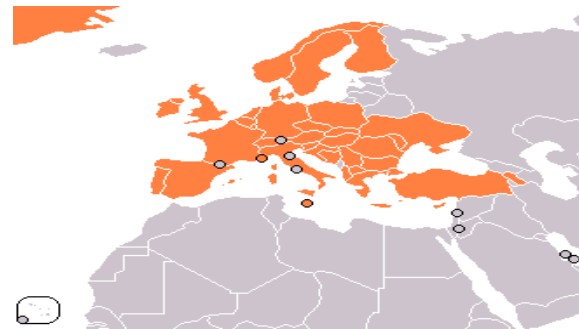
# EUROCONTROL's Main Functions

## Cooperative Network Design

- SESAR Contribution
- Network Development
- SES Implementation & Support to Regulation

## Pan-European Functions

- Flow Management
- Route Charges
- Aeronautical Database



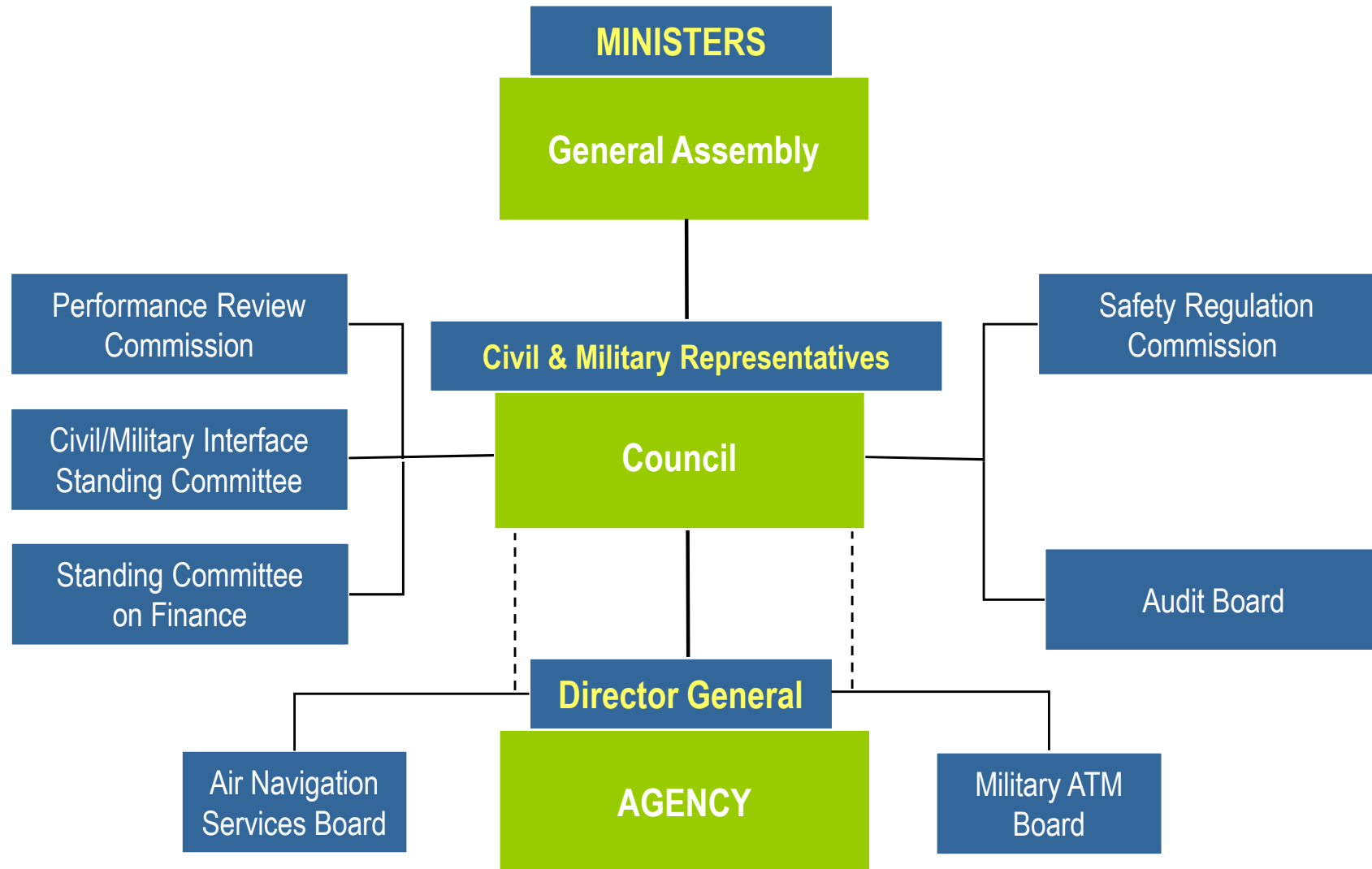
## Performance Review

## Safety Regulation

## Regional ATC Service Provision



# EUROCONTROL: Governance



# The Agency in numbers

## □ Number of staff

- 2.205 permanent staff
- 106 contract staff from 38 countries

## □ 7 geographical locations

- Brussels, Brétigny (Paris), Luxembourg, Maastricht (NL), Budapest, Prague, Karlsruhe (D)

## □ Budget: 720 million Euros in 2009

- 541 million Euros contributed by States



(Source: EUROCONTROL-DR & DF-April 2009)

# EUROCONTROL Developments

- **1960:** A common European ATC system in the upper airspace



- **1997:** EUROCONTROL Mission

To harmonise and integrate Air Navigation Services in Europe, aiming at the creation of a *uniform* Air Traffic Management System for *civil and military* users, in order to achieve the *safe, orderly, expeditious and economic* flow of traffic throughout Europe. (*Article 1 of the revised Convention*)

- **Today:** Building a Single European Sky

# KEY POLITICAL CHANGE - EC ACCESSION

- **Diplomatic Conference** in 2002 - **ratification** of the revised Convention and accession (2 remaining States for the revised Convention and 13 for the Protocol)
- Same **Rights and Obligations** as all other members
- **European Commission** coordinates and votes on behalf of EU States in its areas of exclusive competence:
  - Standardisation, Research Policy, Trans-European Networks
  - Single European Sky (also mixed competencies)
  - Excludes National Security and Defence



# Memorandum of Cooperation

## EUROCONTROL - European Commission

- Signed on 22 December 2003, covering:
  - Implementation of the **Single European Sky**
  - **Global Satellite Navigation Systems** (incl. Galileo)
  - **Research and Development**
  - **Traffic and environmental statistics**
  - **International cooperation**
- Additional issues to be covered: **European ATM Master Plan, Airports, Security**
- EC request to review the MoC in the context of SES II
- EC proposal to update the financial FA which terminated in October 2008: new financial framework agreement with the larger budgetary envelop is in course of preparation.



# Single European Sky I

- Four **Regulations**

- Framework
- Airspace
- Service provision
- Interoperability

- Development of **implementing rules** on the basis of Mandates

- Framework (2)
- Airspace (7)
- Service provision (3)
- Interoperability (8)

20 Mandates 18 were given to EUROCONTROL from which 8 Regulations are already in force

- Pan-European coverage through EUROCONTROL regulatory program



# Single European Sky II

## □ SES II: a package with four pillars

- **Performance** framework amending the four SES regulations
- **Technology**: endorse the ATM masterplan
- **Safety**: EASA to cover all links of aviation safety chain
- **Capacity**: tackle capacity in the air and on the ground
- A Key strength is the ability to enforce Regulation

# Analysis of European Traffic

## January – August Average Daily Flights

| Origin                  | 2008   | 2009   | Growth | % of 2009 Total |
|-------------------------|--------|--------|--------|-----------------|
| Europe                  | 25.168 | 23.196 | -7,8%  | 87.5%           |
| Far-East                | 253    | 236    | -6,4%  | 0.9%            |
| Former CIS Region       | 944    | 848    | -10.1% | 3.2%            |
| Central & South America | 142    | 133    | -6,4%  | 0.5%            |
| Middle-East             | 444    | 458    | 3.1%   | 1.7%            |
| North America           | 645    | 592    | -8.3%  | 2.2%            |
| Africa                  | 722    | 732    | 1.4%   | 2.8%            |
| Other                   | 347    | 309    | -10.9% | 1.2%            |
| 11 Total                | 28.665 | 26.504 |        |                 |

# Air Traffic EU - ACAC

|                      | <b>Flights in EU27</b> | <b>Flights departing from ACAC Countries and arriving in EU Countries</b> |
|----------------------|------------------------|---|
| <b>Jan-08/Aug-08</b> | 6.465.886              | 147.044<br>2.3%   |
| <b>Jan-09/Aug-09</b> | 5.915.439              | 145.151<br>2.5%   |

# One day world Air Traffic

- [World Air Traffic 0-24 h.wmv](#)

# Goals for Future ATM Performance 2020

- **enable a threefold increase in capacity**
- **Reduce delays to less than 15 minutes**
- **improve safety by a factor of 10**
- **reduce by 10% the environmental impact per flight**
- **cut ATM costs by 50%**

# EUROCONTROL promotes a digital world for Safety and Security

- Creating capacity in Europe is challenging and increased automation throughout the system is seen to be the key.
- In consequence, a data centric and systems oriented solution will replace the traditional product centric provision of Aeronautical Information.
- Aeronautical data will be provided in a set of harmonized formats within a virtual information management system.

# Conclusion

**Thank you for your attention!**