



# ICAO – McGill University

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# SAFETY IS #1 PRIORITY





# TODAY

**DIFFERENT EQUIPAGE REQUIREMENTS**

**DIFFERENT SYSTEMS & TECHNOLOGIES**

**DIFFERENT OPERATIONAL SPECIFICATIONS  
AND APPROVAL**

**FRAGMENTED UN - HARMONIZED**





# HARMONIZATION AND BETTER AIRSPACE MANAGEMENT

## Airline operation global

- We need to rationalize equipage, and operating practices
- We need to take equipment **off** the aircraft if it is not required
- We need to properly utilize the aircraft capabilities

Effective and speedy regulation / legislation is key to help facilitate this as it is an integral part of our air transport system

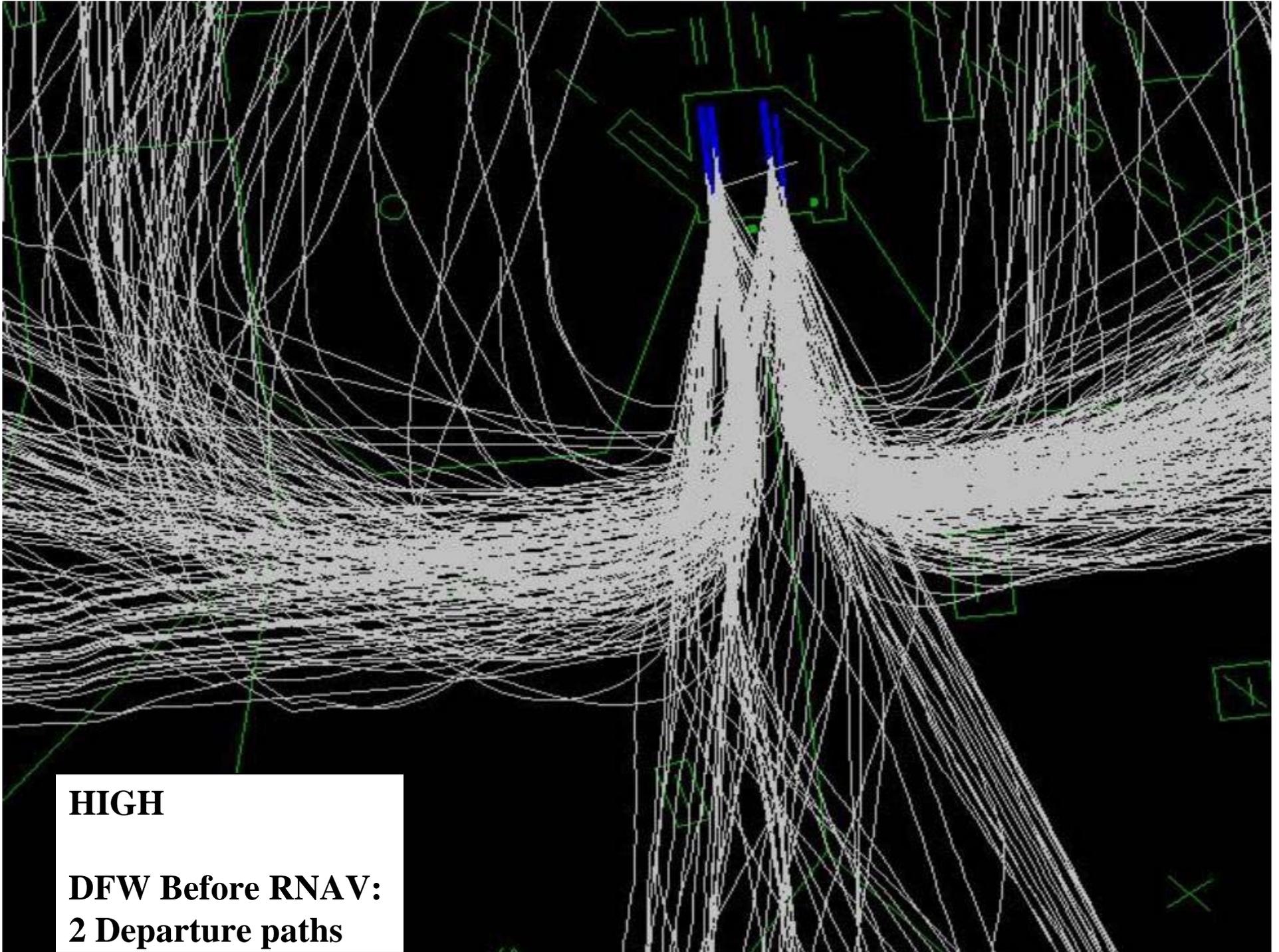
## We need GLOBAL harmonization

- We have the vehicle ICAO Global Plan

## KEY COMPONENT

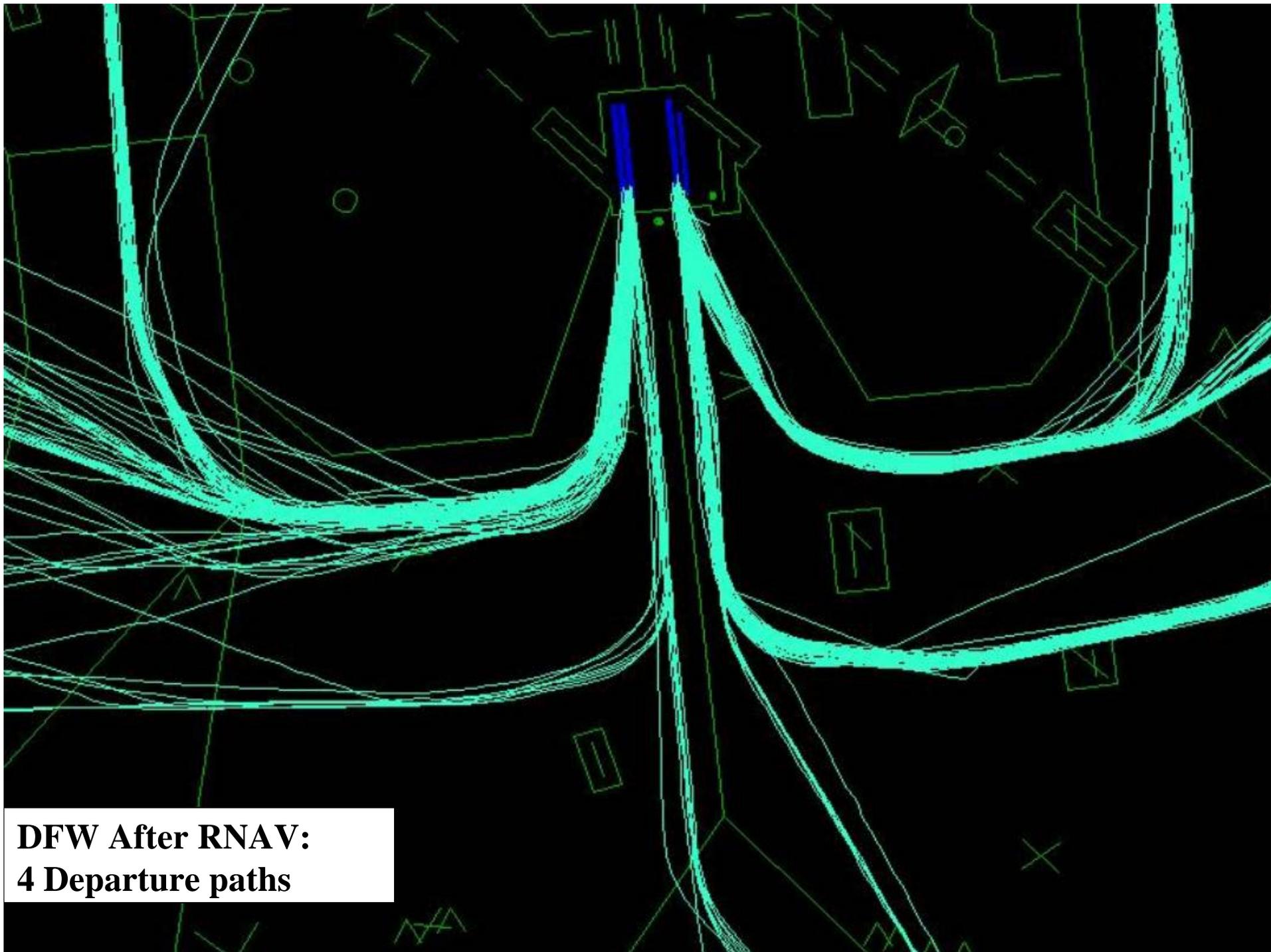
- Aircraft is common global component for the ATM system
- Standardized key component promotes true harmonization and interoperability.
- The airlines are investing in the aircraft and we must exploit the performance capabilities globally.





**HIGH**

**DFW Before RNAV:  
2 Departure paths**



**DFW After RNAV:  
4 Departure paths**

# FUTURE OF AVIATION REGULATION

## Airline expectations

- A simple regulatory framework which enables and drives
  - the four “classic” objectives of
    - Safety
    - Capacity
    - Performance
    - Cost efficiency
  - Industry accountability for service provision
  - Continuous engagement and commitment of all stakeholders
  - Critical element is harmonization

# HARMONIZATION

Manufacturers have done it...



...ANSPs working on it



Airlines have done it...

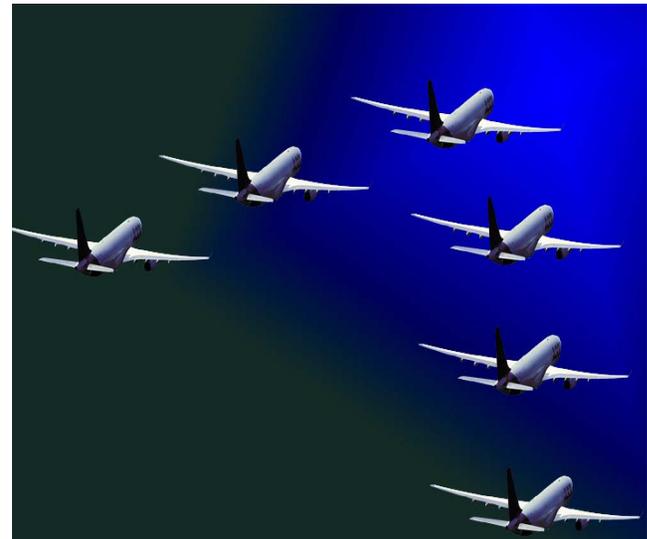


Regulators....



## VISION

- HARMONIZED regulation not more regulation.
- Regulation centers around a Performance Based system.
- Globally harmonized: ICAO Global Plan.
- IATA to support



# EUROPE - THE VISION

## A FIVE LAYER MODEL

- Level 0 Political
- Level 1 Regulatory
  - Single European Sky Agency
- Level 2 Common industry services
  - SESAR
- Level 3 Air Traffic Control
  - FABs and ANSPs
- Level 4 3<sup>rd</sup> party providers

## CONCLUSION

- Regulation facilitates advancement
- A simple regulatory framework
  - Safety
  - Capacity
  - Performance
  - Cost efficiency
- Exploit the capabilities of the aircraft
- Harmonization of regulation help unlock latent capacity

