ICAO CAPACITY & EFFICIENCY

P/01
ICAO CAR Airspace Redesign

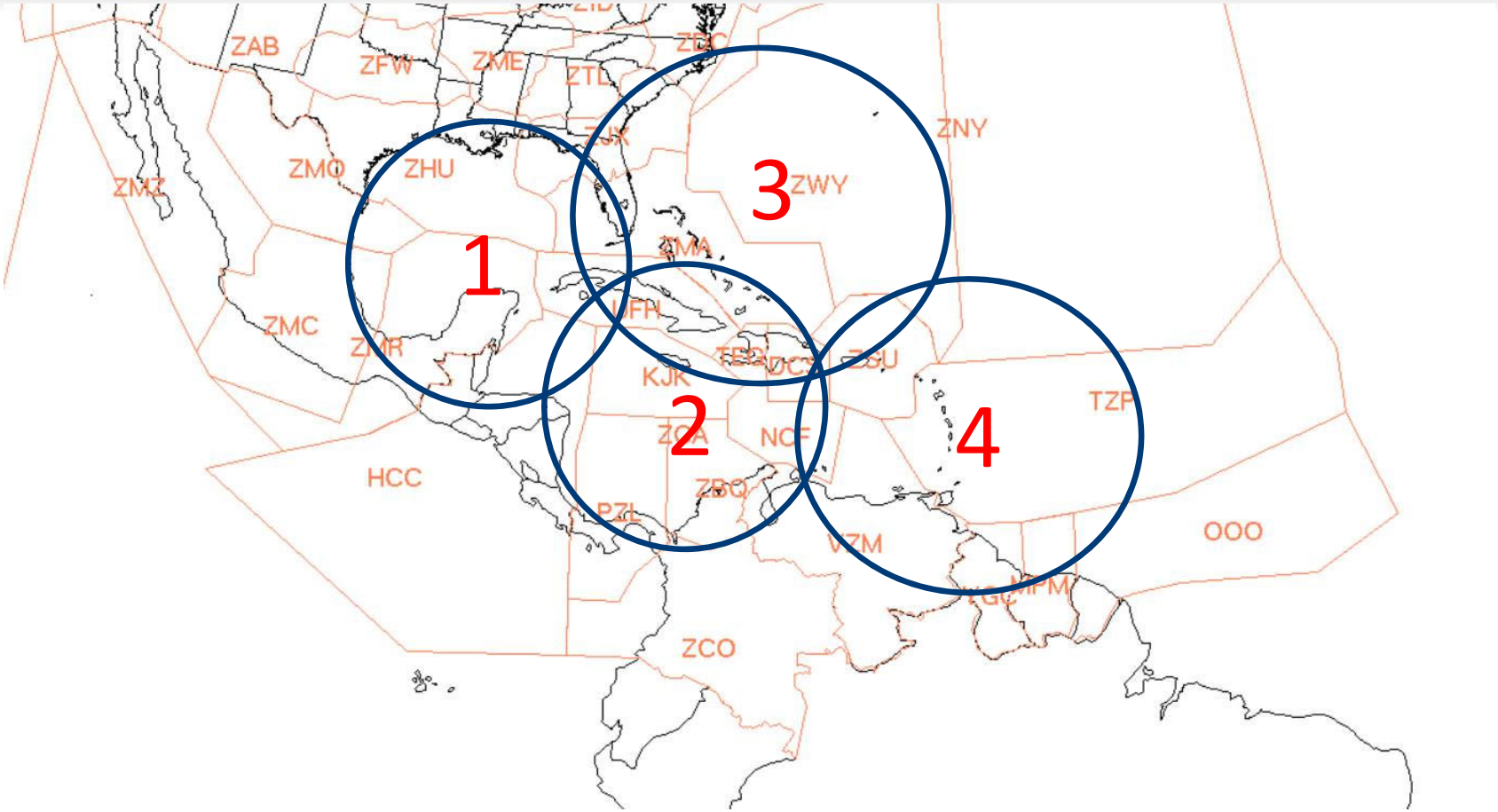
Presented by the Secretariat
Agenda Item 2

Objectives

- Redesign CAR airspace to meet growing demand
- Operational improvements
- Gain efficiency
- Lower carbon footprint
- Interoperable/harmonized with adjacent regions
- Long-term solution
- Implementation time: 2-3 years

Strategy

- Communication component -strategy
  - Letter Stating Mission
  - Reporting to Civil Aviation Authorities (CAAs) Directors General (DGs) and technical air navigation (AN) implementation groups
- Working methodology:
  - Gather Subject Matter Expert (SME) Point of Contact (POC) from each State
  - Gather POC/s from the user community
  - Work by groups on sections of airspace
  - Metrics and indicators
- Global Air Navigation Plan (GANP)-related Air Traffic Management (ATM) improvement concepts: Performance-Based Navigation (PBN), Continuous Climb Operations (CCOs), Continuous descent operations (CDOs), Aviation System Block Upgrade (ASBU) B1?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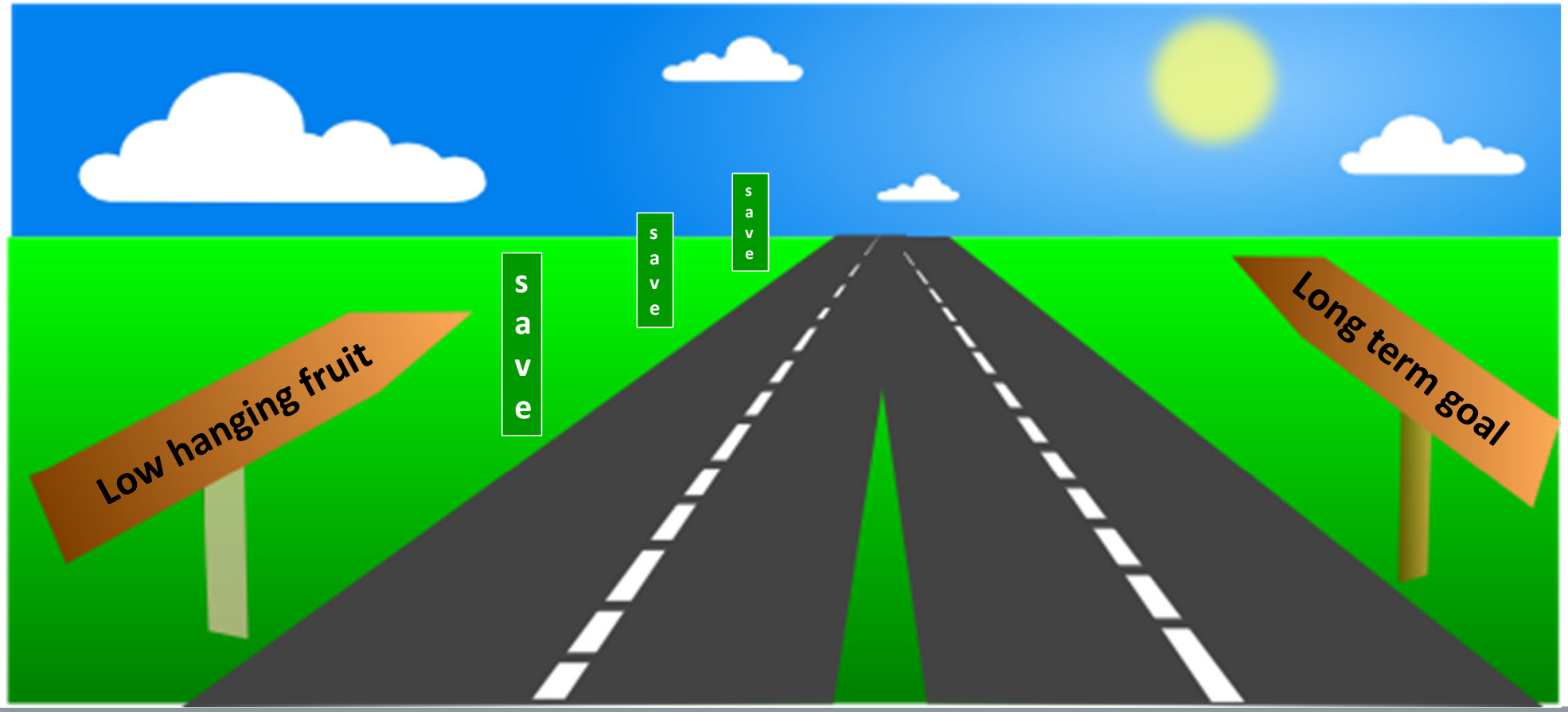
Low hanging fruit
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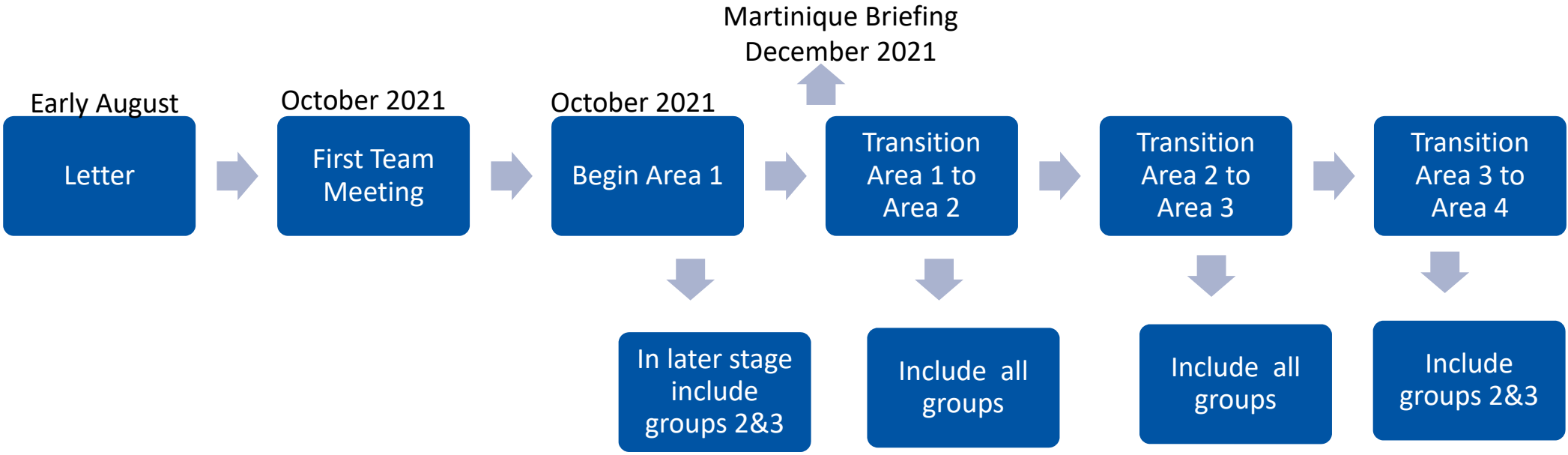
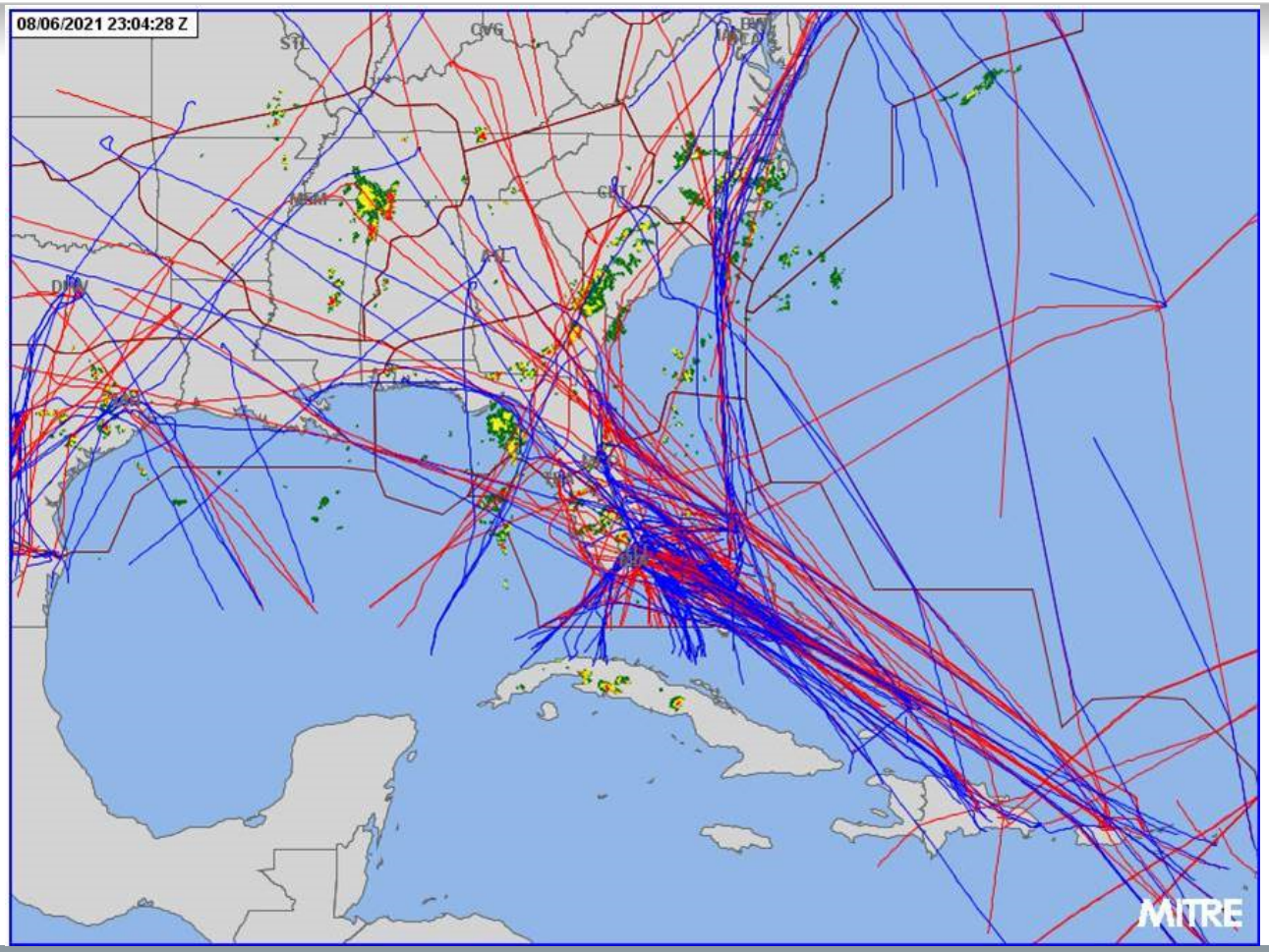
Long term goal

Proposed Timeline



Measuring Success

- Implement change
- Compare results with previously measured data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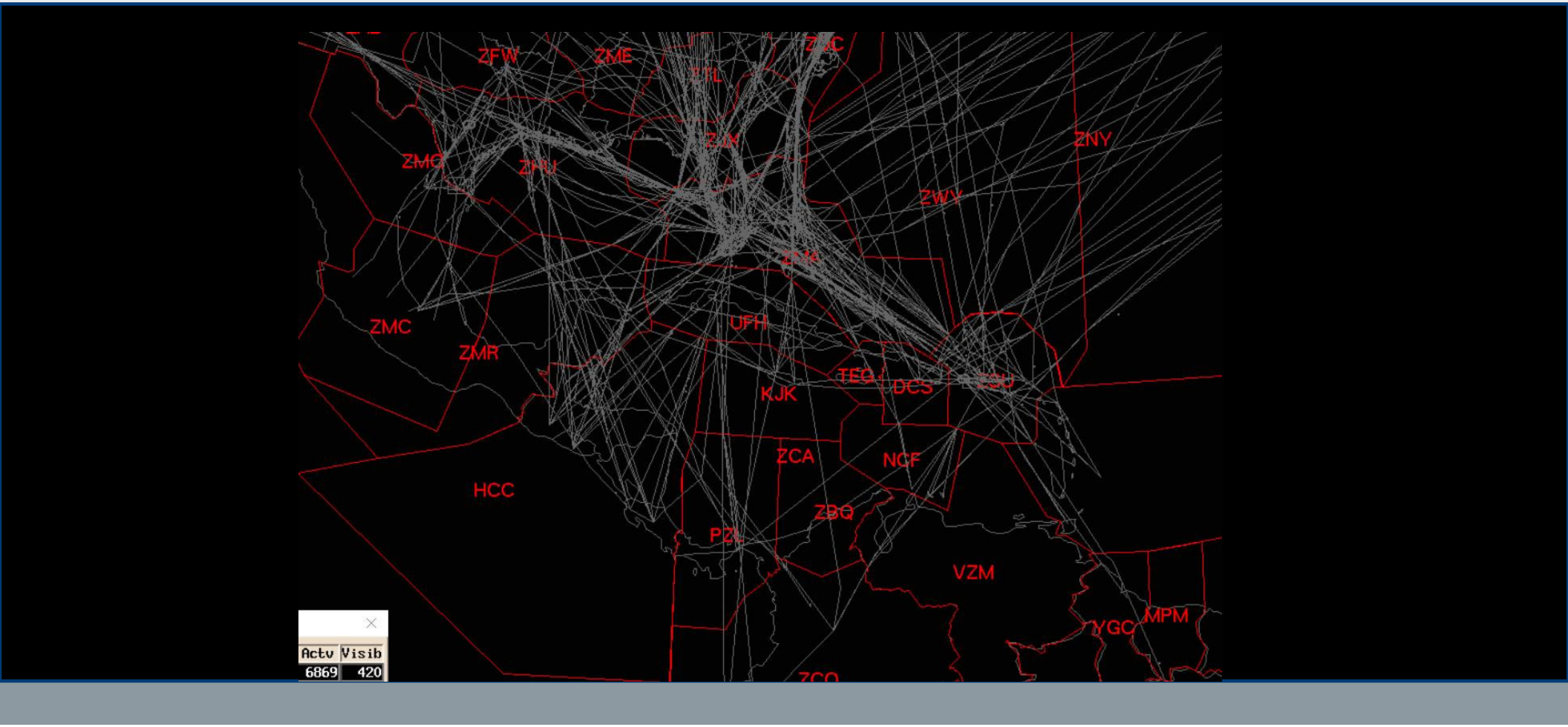
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ATL-MDPC

- 2015-2019 3.7 flights/day averaging 174 minutes
- First 2 months of new route averaging 172.5 minutes
- 33.7 hours saved in 1 year = 11.6 free flights

MIA-SBGR

- 2015-2019 4.9 flights/day averaging 465 minutes
- First 2 months of new route averaging 463 minutes
- 59.6 hours saved in 1 year = 7.7 free flights