Traffic Flow Management (TFM)



By: Mark Libby

ATCSCC

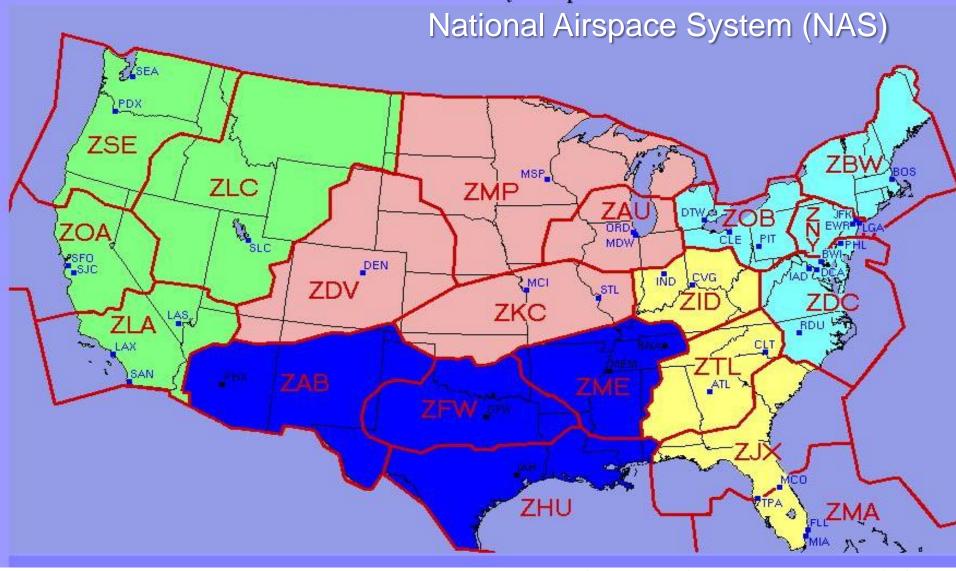


Federal Aviation

Administration







20 Domestic En Route Air Route Traffic Contol Centers (ARTCCs)
5 Geographical Regions

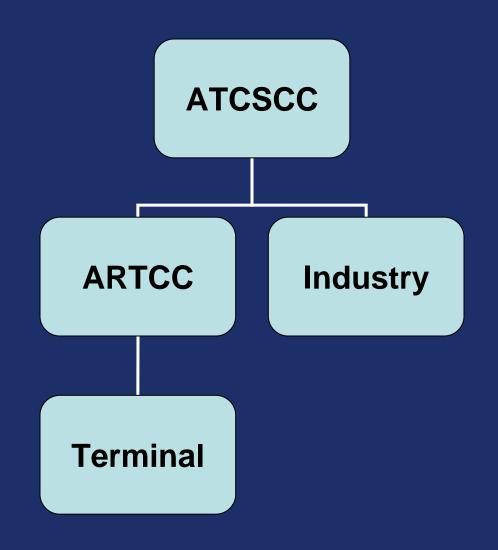
1 Air Traffic Control System Command Center (ATCSCC)

ATCSCC

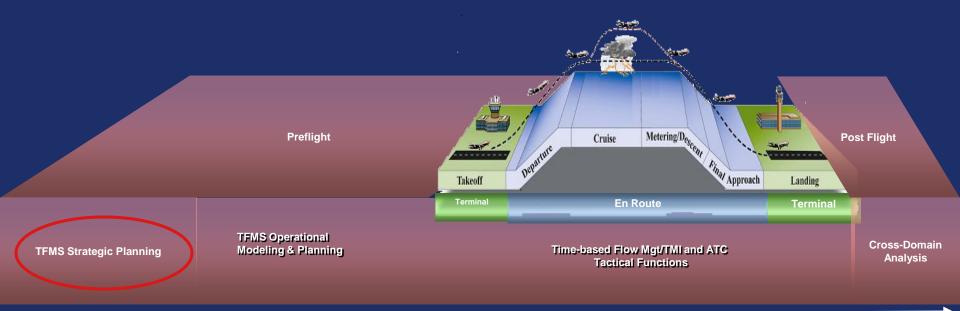
- National Oversight for all Traffic Flow Management and NAS Operations
- Coordinate and implement all National traffic management initiatives
 - Reroutes
 - AFP
 - Ground Stops
 - Miles-in-Trail (MIT)
 - GDP

July 21, 2010

 Focal point for stakeholder coordination



Strategic Planning

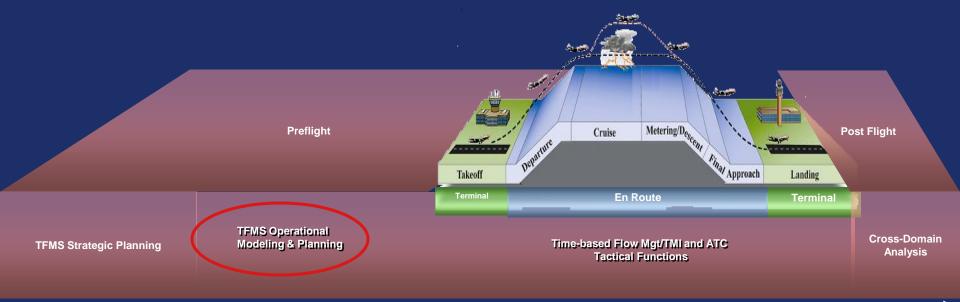


Days 4 hours 2 hours Departure Arrival

- Weather
- Equipment
- Volume vs. Capacity
- Constraints
- Special Activities
- Stakeholder Preferences



Operational Modeling & Planning

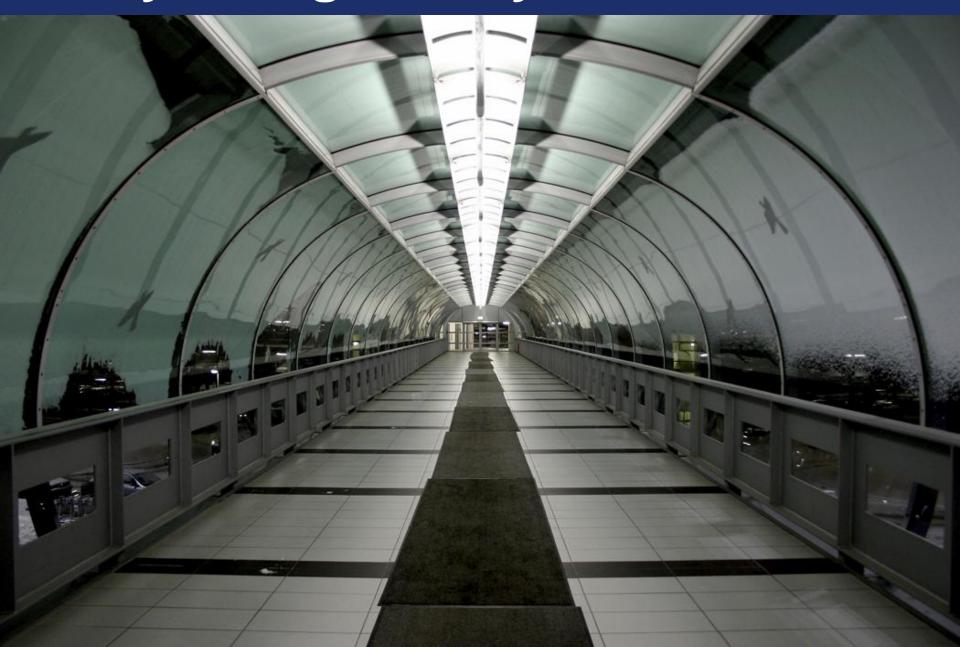


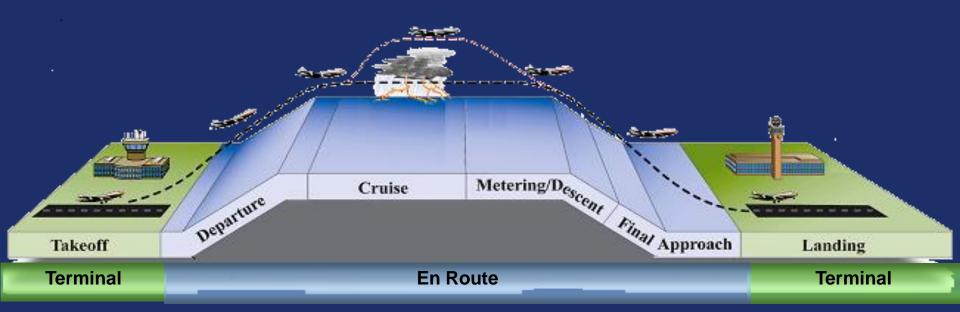
Days 4 hours 2 hours Departure Arrival

- •FSM Flight Schedule Monitor
- •IPM Integrated Program Modeling
- CCFP Collaborative Convective Forecast Product
- •TSD / CCSD Traffic Situation Display / Common Constraint Situation Display
- •FEA / FCA Flow Evaluation Area / Flow Constrained Area
- •Playbooks / CDRs (Coded-Departure Routes) / Preferential Routes



Why did I get delayed?



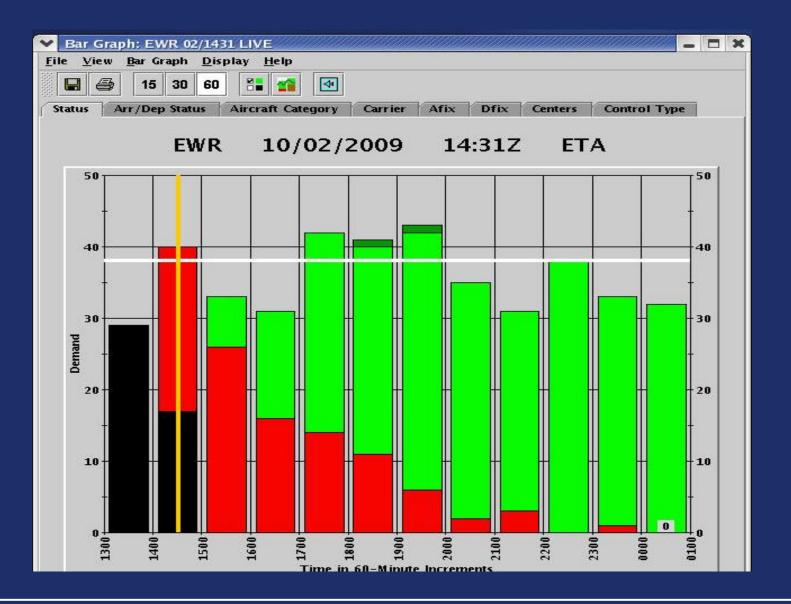


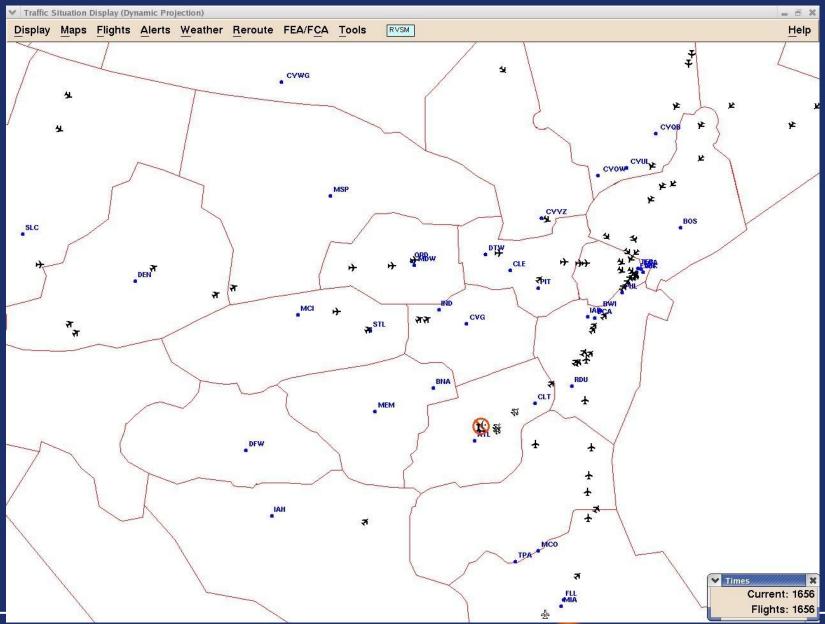
Tactical Operations

TFM Overview - Friends & Partners in

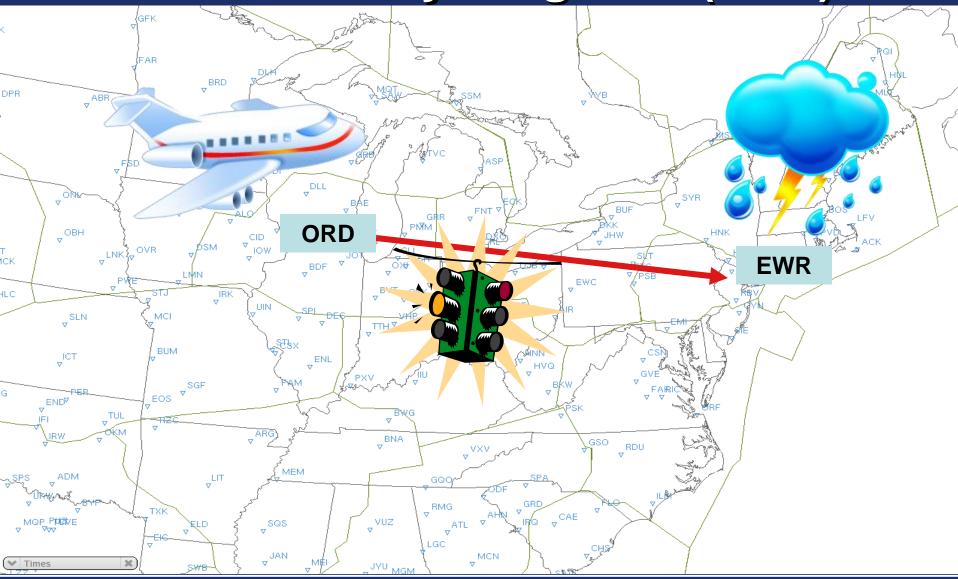
A normal flight from Chicago O'Hare (ORD) to Newark, NJ (EWR)

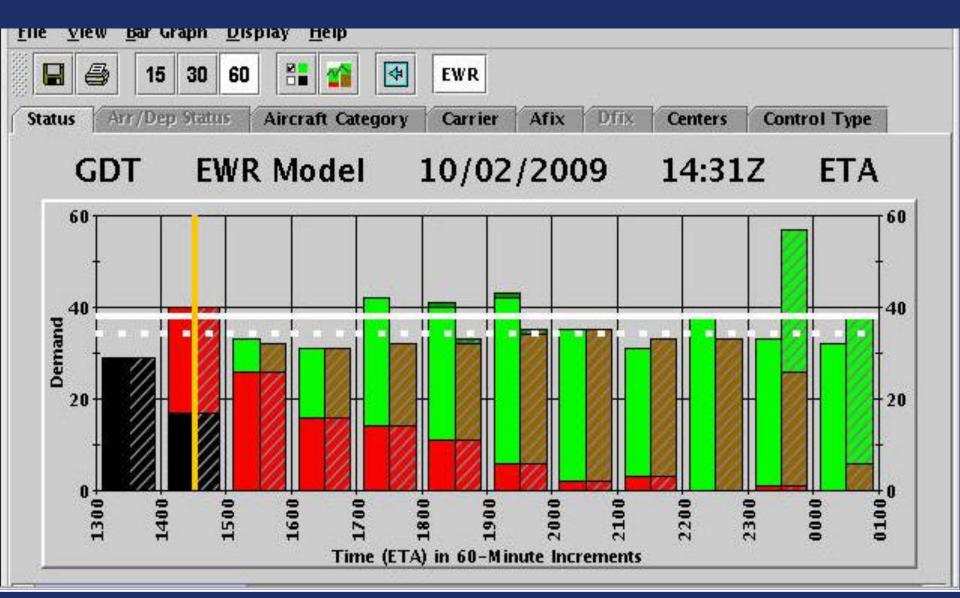






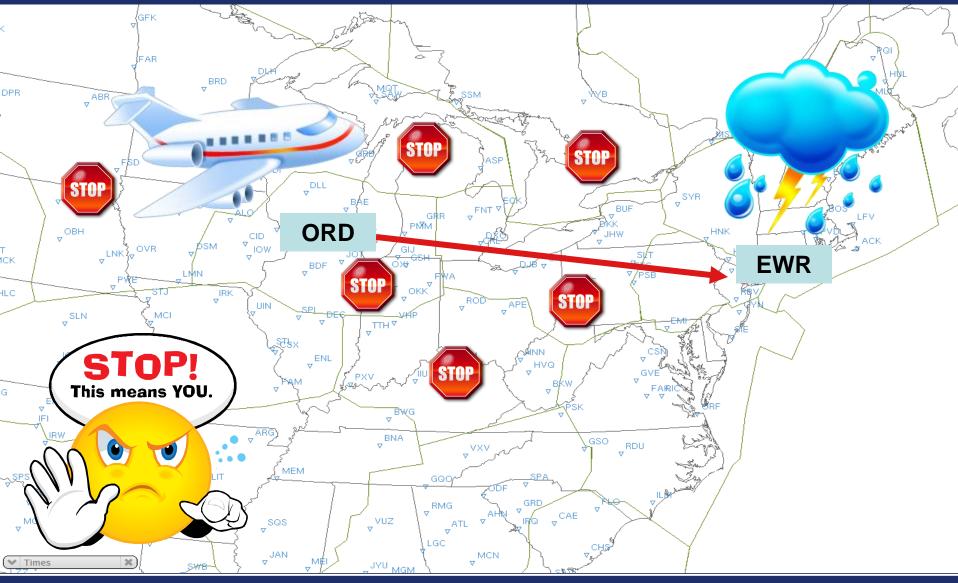
Ground Delay Programs (GDP)

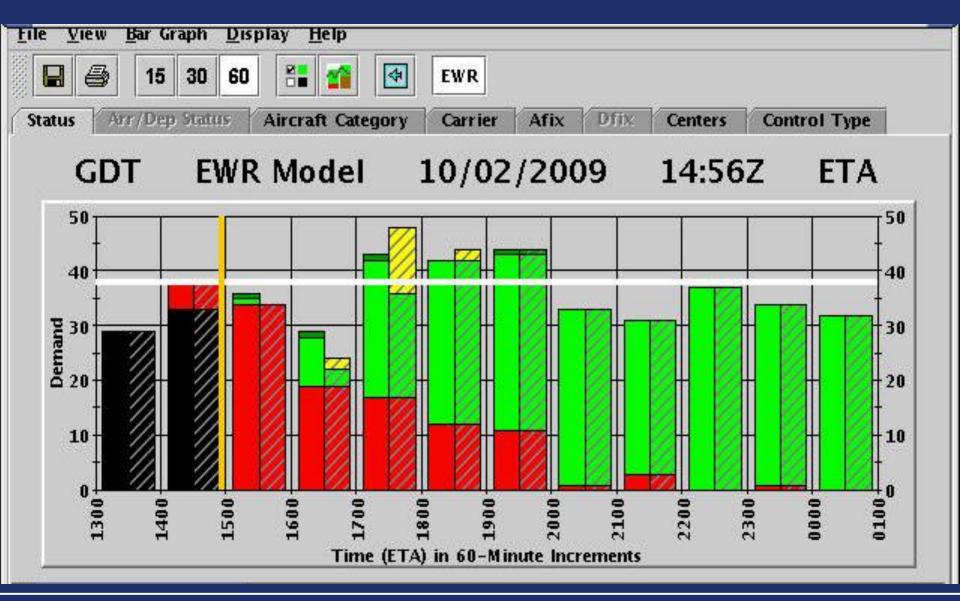




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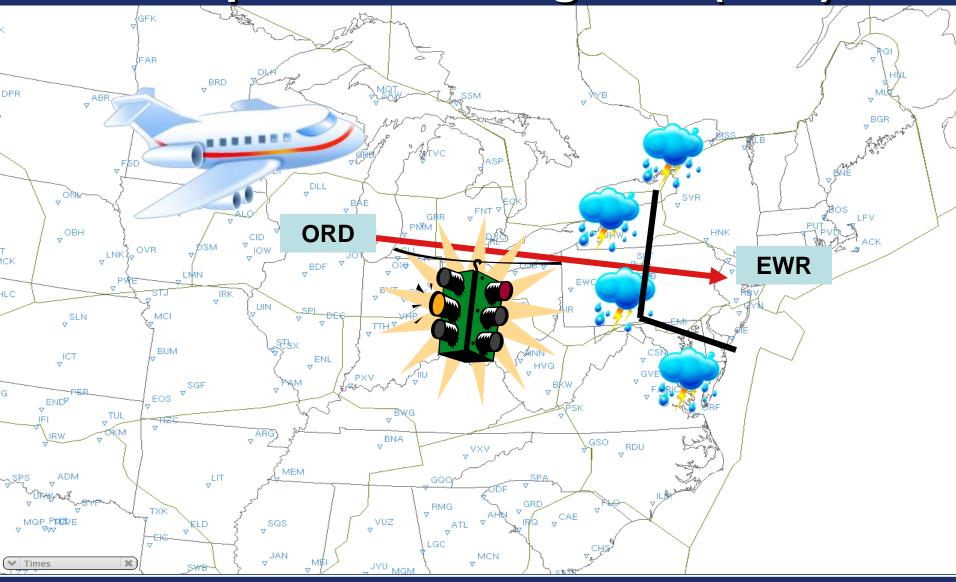
Ground Stop (GS)

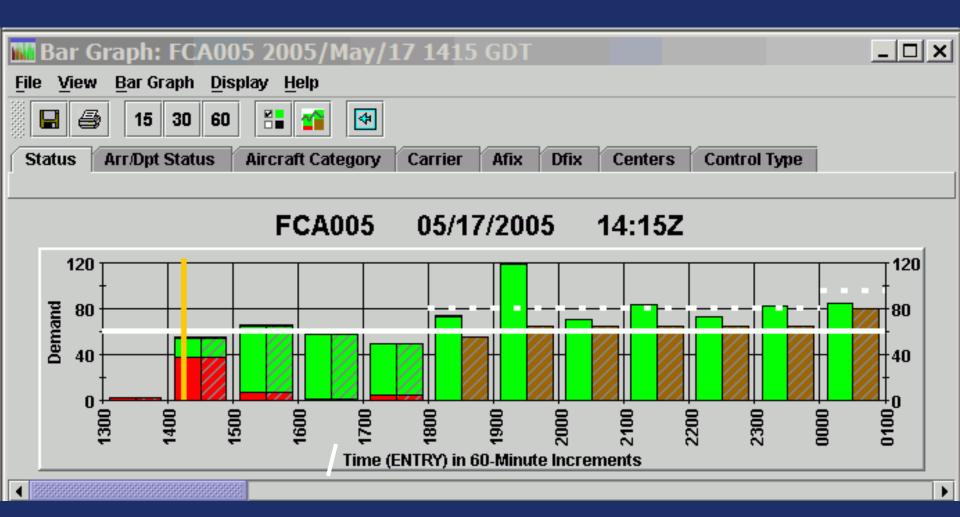




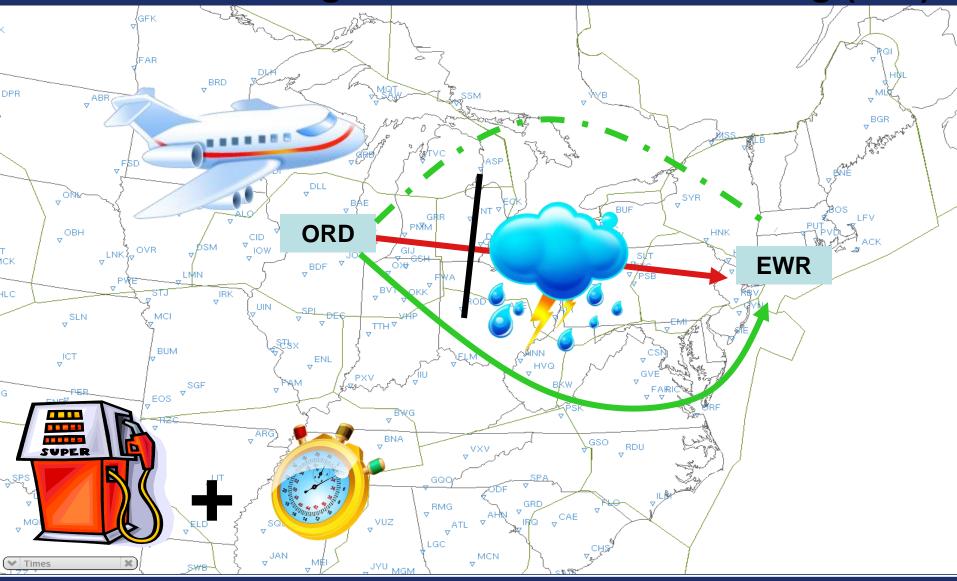
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Airspace Flow Programs (AFP)

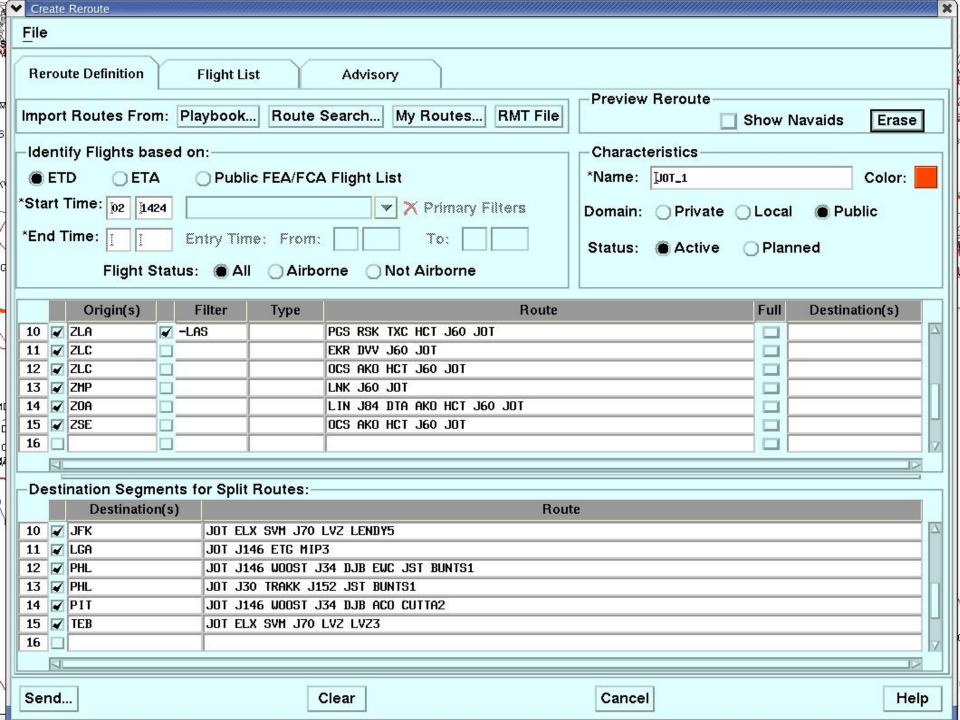


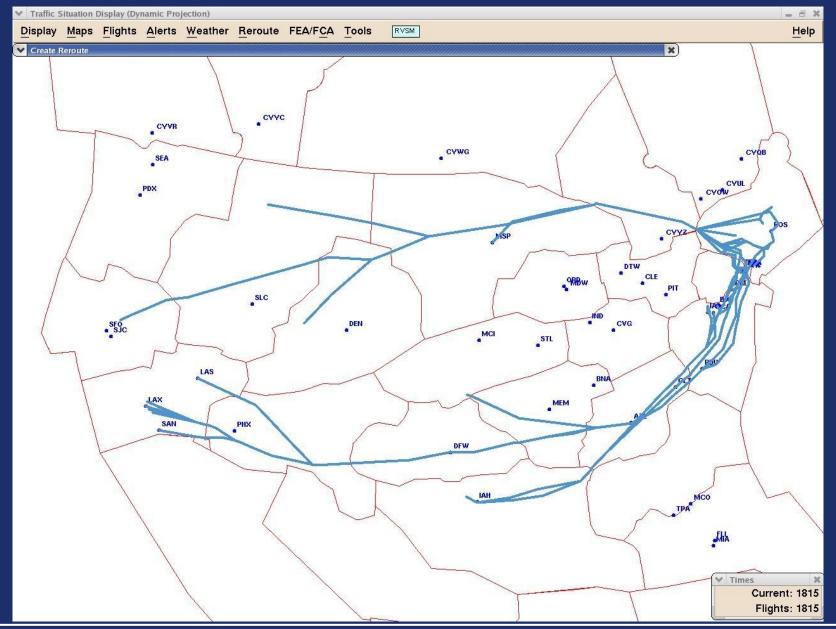


Reroutes or Integrated Collaborative Routing (ICR)



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TFMS Strategic Planning

Next Gen

- RRIA → Reroute Impact Assessment
- CTOP → Collaborative Trajectory Option Program (Formerly known as SEVEN)
- ADS-B → Automatic Dependent Surveillance Broadcast

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- Data Comm
- TBO → Trajectory Based Operations
- Surface
- Collaborative I-ATM (Integrated Air Traffic Management)

Collaborative I-ATM

Pilot Controller Common **Situational Awareness Traffic Dispatcher**

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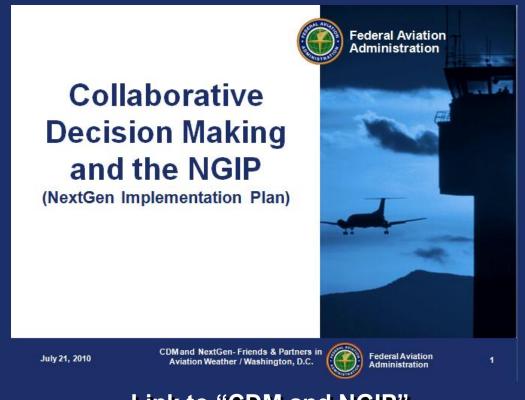
Aviation Weather / Washington, D.C.

Manager

Questions?



CDM Road Show - Friends & Partners in Aviation Weather / Washington, D.C.



Link to "CDM and NGIP"