



***Roles and Responsibilities in
Weather Decision Making:
The Dispatcher's Perspective***



Basic Foundation

- As stated in the FARs, the aircraft dispatcher and pilot in command are jointly responsible for planning around and avoiding known or forecasted weather phenomena that may affect the safety of flight.

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FLT RELEASE NUMBER:01 TIME 0854:31 ON 05/09
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NORTHWEST DISPATCH RELEASE
FLT 410/09MAY00 SHIP 9884 DC9-50 JT8D-17
RELEASED IFR DIW TO MSP DIST ALTN: N/A
RELEASE FUEL 22000

TAXI BURN ALTN 10PCT RISV CONT TANKER TOTAL
0.5 14.3 0.0 0.0 4.6 2.6 0.0 22.0
:11 2:08 :45 :27

NWA410 T/DC90/A 0446 DIW F1100 330
DIW..SPS..GAS..HY2..OVR..FOD.KASPR2.MSP/0208

BEST ALTN: N/A
FUEL RWKS:

MIL/CDL: NONE

FIT: 59-00 BTW INOP GAUGE FUELING(REPLACES 25-00/291-99)*
64-00 BTW ASMS*78-00 WT LIMITED DEPARTURES(REPLACES 76-00)

RELEASE RWKS:
MOCK RELEASE FOR WORLD DISPATCH SUMMIT PRESENTATION

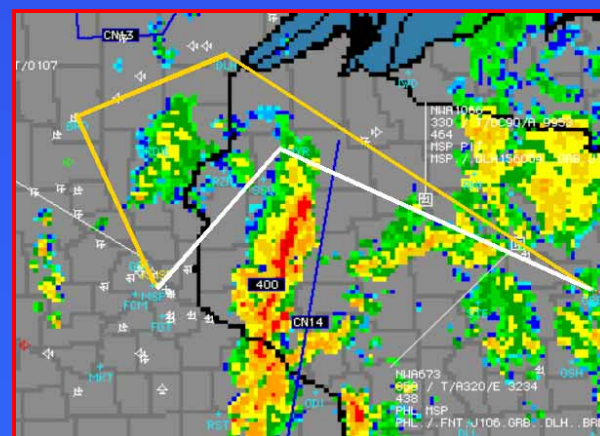
DISPATCHER: MDS54 AL KRAUTER 612-727-0254

TIMES: DIW OUT 1100Z/0600L MSP IN 1323Z/0823L ELEV MSP 841 FT
MSP OUT 1415Z/0915L OMA IN 1518Z/10

ENROUTE FUEL MANAGEMENT PLAN:
ACTUAL
PLANNED
FUEL 23.0 - - - - - PL
TAXI 0.5 - - - - - PTOG 1
BURN 14.3 BURN
ARVL FUEL 8.2 - - - - - LDW
DECISION
ARVL MSP FOR IFOR IFOR IFOR FUEL
8.2 - - - - - 4.6
REVISED - - - - - REVISED - - - - -

CAPTAINS ONLY: SIGNATURE VERIFIES THAT CURRENT
FAR 121.445 SPECIAL AIRPORT PICTORIALS (JEFF
FOR THIS FLIGHT, HAVE BEEN REVIEWED WITHIN THE
CAPT SIGNATURE
*****

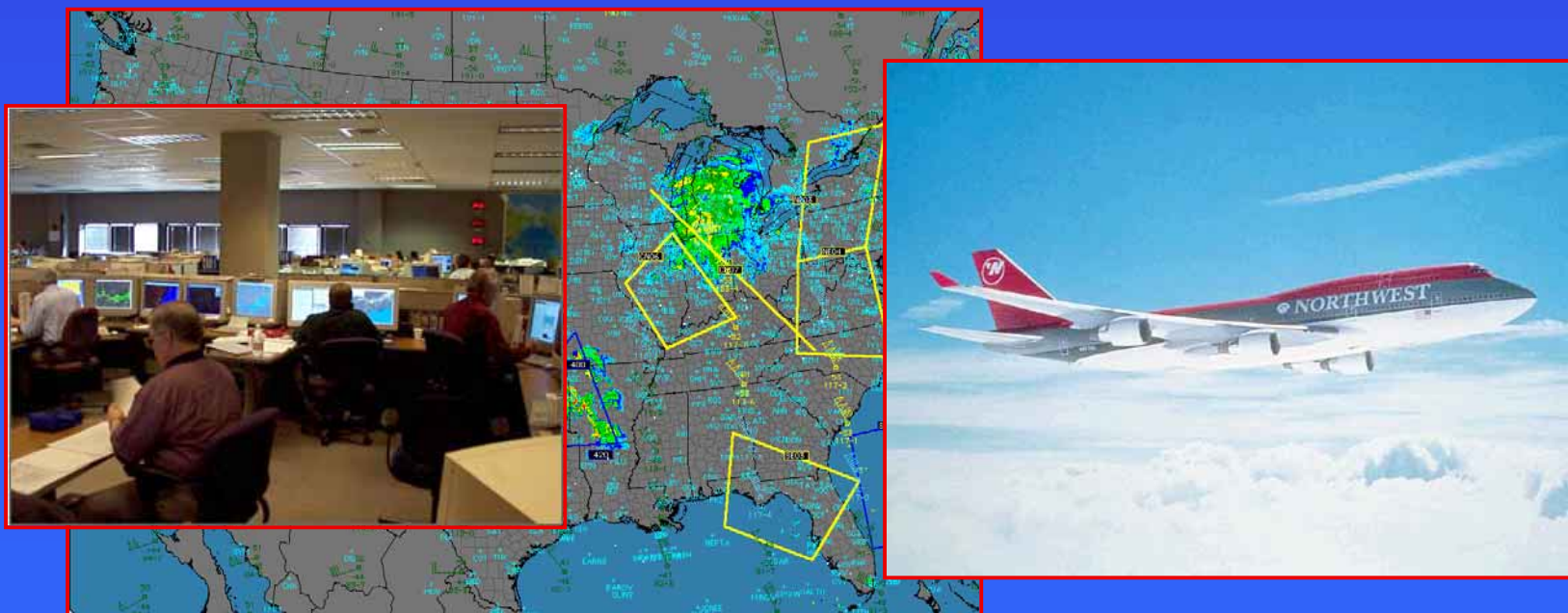
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Overview

- Operational Responsibility
- Strategic Planning Team (SPT)





Operational Responsibility

- Shared by:
 - Pilots
 - ATC
 - Dispatchers



Air Safety “PAD”



Operational Responsibility

- Primary responsibility is:
Safety
- Accomplished using:
 - Efficient Operational Procedures
 - Enhanced Communication
 - Built-in Redundancies
 - Constant Information Exchange





Operational Responsibility

- Air Carriers maintain safe operational control by pilot and dispatcher joint responsibility (FAR 121.533 & 121.535)
 - Dispatcher responsible for pre-flight planning
 - Dispatcher & Pilot sign Flight Release
 - Dispatcher maintains in-flight responsibilities



Shared Responsibility



Operational Responsibility

Pre-Flight Planning

- Flight Plan Calculation includes:
 - Weather Avoidance
 - Flight Routing
 - Fuel Computation
 - Cancellation / Delay Decisions
 - Aircraft Performance
 - Aircraft Selection





Operational Responsibility

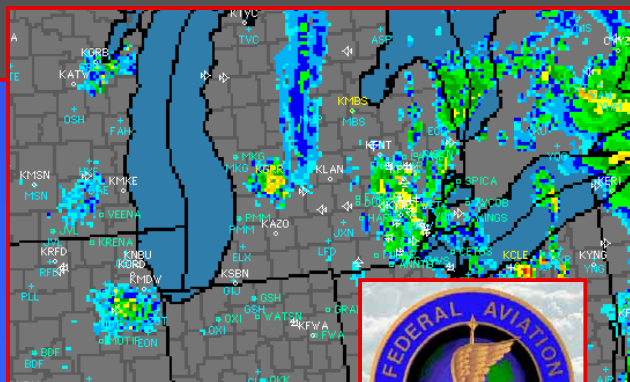
• Flight Plan Calculation

(continued)

- Destination Specifications & Alternate Airport
- Inoperative Aircraft Items
- Government Regulations
- Company Policies
- Business Objectives

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▶MELF 744
SHIP MEL/CDL DESCRIPTION DIS PAGE #
6303 # M24-11-1A ENG DRIVEN GEN SVSTS AOC NORM 00000 00000 KIX 10050834
      # M24-21-2A APU GEN SYS (AGCU, APB) 00000 00000 KIX 10050847
      # M49-11-1A APU 00000 09934 KIX 10050851
6304 # C57-28-01 WINGLETS 00000 00000 MSP 09051906M
6305 # M23-51-8C CPT/FO PTT SW/GLARESHIELD PTT 00000 00000 DTW 07051856
      # C23-61-01 STATIC DISCHARGERS 00000 00000 DTW 02060846
      # M25-65-1 EMERGENCY MEDICAL KIT 00000 00000 DTW 09050002
6306 # M23-51-2B HEADSET/MICROPHONE-BOOM MICRO 00000 00000 NRT 09052248
      # C52-49-04 CARGO DOOR SW ACCESS PANELS 00000 00000 MNL 07052359
6310 # C54-32-01 NACELLE STRUT ACCESS DOORS 00000 00000 DTW 20040002
6312 # M25-38-1 UPPR DECK GALLEY LIFT 00000 00000 KIX 09050654
  
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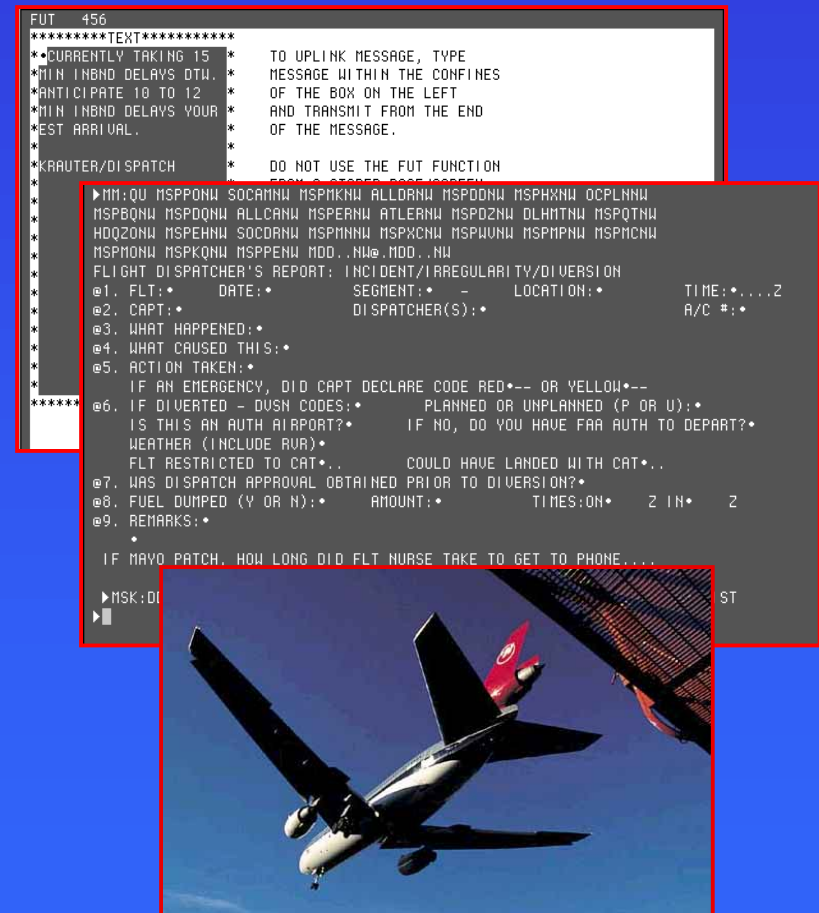




Operational Responsibility

- In-flight Responsibilities:

- Weather updates and flight plan re-analysis
- Mechanical Irregularities
- Medical Emergencies
- Aircraft Emergencies
- Monitor Flight Progress
- Provide information updates and re-dispatch

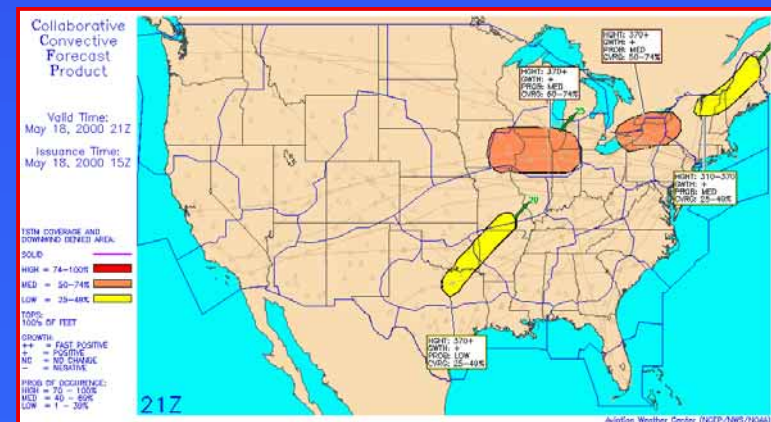




Strategic Planning Team (SPT)

COLLECTIVE MANDATE: (FAA & Airlines)

- Establish a process to develop collaborative solutions which govern air traffic operations during severe weather and/or heavy traffic events to:
 - Maximize airspace and minimize delays
 - Allow users to operate within their own capabilities and economic objectives
 - Exchange information to build collaborative solutions to constraint problems





Strategic Planning Team (SPT)

AIRLINE MANDATE:

- Implement a formal process to enhance collaboration within the airline, and between FAA and other users.
- Develop a team of specialists to closely work with the FAA to better manage system traffic flows during constraining events
 - The team of specialists is the airline's Strategic Planning Team (SPT)
 - The SPT's mission is to make strategic decisions which meet the operating goals of the airline



Strategic Planning Team (SPT)

OBJECTIVES OF THE AIRLINE'S SPT:

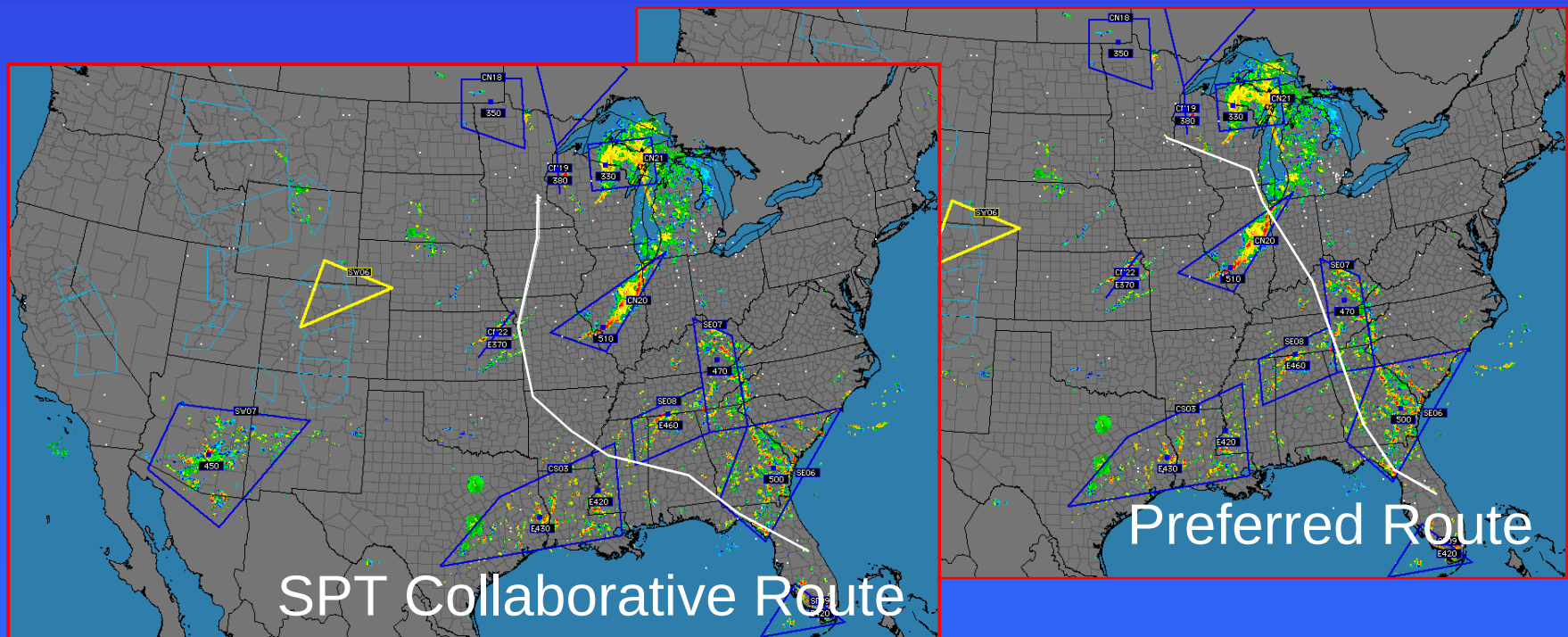
- Create a daily strategic plan of operations based on known or forecasted events two to six hours in the future which will allow the airline to safely and reliably achieve its operating goals
- Collaborate with the Air Traffic Control System Command Center
- Provide analysis to critique and improve current procedures





Strategic Planning Team (SPT)

- Strategic Functionality:
 - Preflight Weather Avoidance Planning





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Conclusion

- Airline Operations Centers, Flight Dispatch, and the SPT process enhances the safety and operational effectiveness of air carrier flight operations.
- Collaboration is essential to manage air traffic in the saturated NAS.
- Commitment to continuous improvement and joint training to develop collaborative solutions to NAS constraint issues.



