Collaborating Views for Safer Operations
Airline Dispatchers Federation

ADF is a national non-labor organization representing professional interests for its current 2262 certified/licensed aircraft dispatch members. ADF’s constituency is comprised of FAA licensed aircraft dispatchers, students, operational professionals, retirees from 103 aerospace companies including US Airlines advocating “Operational Control” between PIC (Pilot in Command) and Aircraft Dispatchers.

ADF IS A ALL VOLUNTEER ORGANIZATION USING ALL WORKING US AIRCRAFT DISPATCHERS
ADF and Industry

ADF is very involved with industry meetings. We attend and dialog with groups below on a regular basis educating “Operational Control” between Aircraft Dispatchers/Pilots (PIC) offering a “Single Level of Safety” for the traveling public.

ACT CRM ARC, ARAC, RTCA, NextGen NACSC Working Group, Notam Advisory, NASA ASRS, FAA-ASI, Women In Aviation, NBAA FPAW, NBAA Dispatchers-Schedulers, T-Ops, to name a few.
Licensed Airman/Joint Responsibility

Joseph Miceli/John Schwoyer
Airline Dispatchers Federation
FPAW October 12, 2017
The Aircraft Dispatcher

“ONE STOP SHOPPING”

Enroute Weather, Turbulence, AIM, Emergencies, ATC Initiatives, Security, Economic Savings, Diversions, Aircraft Performance, Ops Specs, Flt Following Etc..
Issues facing US Aircraft Dispatchers today:

• Weather
• Increasing demands on the NAS (National Airspace)
• Increasing governmental regulations and fines
• Volcanic disruptions
• Polar Operations
• Security
• Economic Cost Controls
• Flight crews who don’t understand the roll of a dispatcher
• Maintenance deferrals/restrictions
• Cultural Issues
Weather

- Karl
- Igor
- ITCZ
- Saharan Dust
- Julia
Part 121 Air Carrier Weather Related Accidents 2000 - 2016

581 Accidents

Weather Factors
- Turbulence 75%
- Adverse Winds 3%
- Thunderstorms 11%
- Icing 6%
- Precipitation 3%
- LLWS 1%

Non-Wx 364
WX Related 217

38%

* NTSB data

Joseph Miceli/John Schwoyer
Airline Dispatchers Federation
FPAW October 12, 2017
Pilots View

08 1755 F30000 NO-AAA
PR
QU TULDDAA
.DDLXCXA 08175
AG
FI AA935/AN N970A
DT DDL PLS 081755 M09A
- OS MDPP /ALT00001836

08 1755 F30000 NO-AAA
PR
PR
AGM ALT N970AN 0935 MIA 08OCT
00001836
OK

08 1755 F30000 NO-AAA
PRX 0935/08 MIA CHO 1836

Joseph Miceli/John Schwoyer
Airline Dispatchers Federation
FPAW October 12, 2017
Mitigating Factors

- Dispatcher in the loop
  - Identification of Hazards
  - Notated on Release
  - Communicated to the flight crew in the preflight brief
  - Flight Following and Updating Recent Changes
    - Identify, Solicit, Communicate PIREPS
Useful Guidance Tools
Volcanic Activity for the Dispatcher

Joseph Miceli/John Schwoyer
Airline Dispatchers Federation
FPAW October 12, 2017
Volcanic Activity for the Pilot

QU DFWDFAA
.ACYYZZYA 081801
ATCSCC ADVZY 059 DCC 10/08/2017 VOLCANIC
ACTIVITY BULLETIN - SAKURAJI
MA ^AIRA
CALDERA 282080
FVFE01 RJTD 081800 WSI UKS:081801
VA ADVISORY
DTG: 20171008/1800Z
VAAC: TOKYO
VOLCANO: SAKURAJIMA ^AIRA CALDERA 282080
PSN: N3136 E13039
AREA: JAPAN
SUMMIT ELEV: 1117M
ADVISORY NR: 2017/339
INFO SOURCE: HIMAWARI-8 JMA
AVIATION COLOUR CODE: NIL
ERUPTION DETAILS: VA EMISSIONS CONTINUING
OBS VA DTG: 08/1720Z
OBS VA CLD: SFC/FL080 N3138 E13040 - N3132 E13049 -
N3125 E13050 -
N3125 E13043 - N3135 E13035 MOV SE 10KT

Joseph Miceli/John Schwoyer
Airline Dispatchers Federation
FPAW October 12, 2017
Weather Radar Differences

<table>
<thead>
<tr>
<th>Air Traffic Control</th>
<th>Existing Systems and Boundaries</th>
</tr>
</thead>
<tbody>
<tr>
<td>FAA Revised Terms</td>
<td>ASR-9 Intensity</td>
</tr>
<tr>
<td>4 levels</td>
<td></td>
</tr>
<tr>
<td>Light</td>
<td>10-30</td>
</tr>
<tr>
<td>Moderate</td>
<td>&gt;30-40</td>
</tr>
<tr>
<td>Heavy</td>
<td>&gt;40</td>
</tr>
<tr>
<td>Extreme</td>
<td>&gt;45-50</td>
</tr>
<tr>
<td>Extreme</td>
<td>&gt;50-55</td>
</tr>
<tr>
<td>Extreme</td>
<td>&gt;55</td>
</tr>
</tbody>
</table>

N = National Map
1 = Individual Site
# = Radar Return in dBZ
What the Pilot Sees

What they see may not match what we see on WSR-88D displays!

Joseph Miceli/John Schwoyer
Airline Dispatchers Federation
FPAW October 12, 2017
Triangle of Safety

PILOT/DISPATCHER/ATC CONTROLLER

Joseph Miceli/John Schwoyer
Airline Dispatchers Federation
FPAW October 12, 2017
Thank You

JMiceli@dispatcher.org
JSchwoyer@dispatcher.org