Headline News: Your Daily Brief
Digesting the NAS With Your Coffee

PRESENTED BY:
Jim McClay, NBAA Air Traffic Services
What is NBAA Air Traffic Services (ATS)?

• A team of NBAA Air Traffic Management Specialists
• Previously known as the NBAA GA Desk
• Located at FAA Air Traffic Control System Command Center
• Provide air traffic information and assistance to NBAA Members and ATS Subscribers
• Represent interests of Business Aviation in the daily operation of the National Airspace System (NAS)
What we want to cover today

• Why should you add NAS considerations to your pre-flight planning?
• What terminology can you expect to see?
• What online NAS resources are available?
• When should they be used?
• How should they be used?
Quiz question #1

• On average, how many aircraft are operating in the NAS at any given time?
  a) 500
  b) 2,000
  c) 5,000
  d) 50,000
Quiz question #1

• The answer is c - 5,000
Why look at the NAS during preflight?

- It’s the environment you operate in
- Most flight plan service providers will brief you about weather and NOTAMs – many will NOT brief you about air traffic issues
- You give yourself the opportunity to avoid delays
- It’s easy to do
First, some basic terminology …

- Ground stop
- GDP
- AFP
- Reroute
What is a ground stop?

- Used to manage traffic to a specific airport
  - For arrivals ONLY
  - For arrivals to the ground stop airport ONLY
  - Departures from the airport not affected
- Used when traffic to an airport needs to be slowed down or stopped for a relatively short period of time
- Traffic is held at their departure airports in order to reduce pressure on the destination airport
- Ground stops do NOT result in EDCTs – they result in update times
What is a GDP?

- GDP = Ground Delay Program
- Used to manage traffic to a specific airport
  - For arrivals ONLY
  - For arrivals to the GDP airport ONLY
  - Departures from the airport not affected
- Used when traffic to an airport needs to be slowed down for several hours
- Delays are issued to spread out the demand and reduce pressure on the airport
- Expect Departure Clearance Times (EDCTs) ARE issued
What is a AFP?

- AFP = Airspace Flow Program
- Used to manage traffic through a specific piece of airspace
  - Basically measure traffic across a line in space
  - Not airport-specific
- Used when enroute traffic through an area needs to be slowed down
- Delays are issued to spread out the demand and reduce pressure on the airspace
- Expect Departure Clearance Times (EDCTs) are issued
What is a reroute?

• Basically, a reroute moves traffic from where they would normally go
• Reroutes are issued by FAA Advisory and tactically by ATC
• Some reroutes are required, others are simply recommended
Quiz question #2

Which of the following will NOT result in an EDCT?

a) GDP
b) AFP
c) Ground stop
Quiz question #2

- The answer is c – ground stop
Online NAS resources – fly.faa.gov
Operational Information System (OIS)

• Suggested “first stop” when checking NAS conditions
• Real-time “dashboard” view of the NAS
  • Delay programs
    • Ground delay programs (GDPs)
    • Airspace flow programs (AFPs)
  • Ground stops
  • Arrival/departure delays
  • Airport closures
• www.fly.faa.gov/ois/
# Operational Information System (OIS)

## National Airspace System Status

### Program Name
- **EWR**: 1500 0459
- **IAD**: 1497 0259
- **JFK**: 1600 0358
- **LGA**: 1600 0359
- **PHL**: 1600 0359
- **SEA**: 1600 2258
- **SFO**: 1600 2059
- **ZCA038**: 1700 0159
- **ZCA051**: 1700 0459

### Scope
- **ALL ~ CZY**
- **WEATHER • THUNDERSTORMS**

### Reason
- **AVG**: 100
- **AAR**: 38
- **PR**: 38
- **ADVY**: 081

## Ground Stops

### ARPT
- **EWR**: 1800 MED
- **IAD**: 1800 MED
- **JFK**: 1800 MED
- **LGA**: 1800 MED
- **PHL**: 1800 MED

### Scope
- **ZDC ZJN ZTL**
- **WEATHER • THUNDERSTORMS**

### Reason
- **ADVY**: 117

## Delay Info

### ARPT
- **IAD**: +15 1637
- **IAD**: +50 1631
- **LAX**: +15 1603
- **LGA**: +50 1707
- **PHL**: +30 1637
- **SEA**: +15 1650

### Scope
- **WX.Thunderstorms**
- **VOL.Volcano**
- **WX.SWAP**
- **TM Initiates SWAP/WX**
- **ZIX.WX.Zlev.Celings**

### Reason
- **Runway/Equipment Info

## Miscellaneous

- **NEXT PLANNING TERMIN-1713Z**
A bit more terminology …
What does “scope” mean?

• Scope refers to what flights are captured in a GDP or ground stop
• Can be defined by
  • Center
  • Distance
  • Tier
• Centers are abbreviated by 3-letter codes beginning with the letter “Z”
  • ZNY = New York Center
  • ZDC = Washington Center
  • ZAU = Chicago Center
  • etc.
Quiz question #3

• Speaking of enroute centers (ARTCCs), how many are there in the NAS:
  a) 5
  b) 12
  c) 15
  d) 20
Quiz question #3

• The answer is d – 20 enroute centers in the NAS
What does “scope” mean?

Scope by Center (ex. ZBW+ZNY+ZOB)
What does “scope” mean?

Scope by Distance (ex. 1000MILES+CZY)

TEB 1000 nautical mile scope
What does “scope” mean?

Scope by Tier
(ex. 1STTIER+CZY)

TEB tiers:
1STTIER
&
2NDTIER

Selected ARTCC
First Tier ARTCCs
Second Tier ARTCCs
# Operational Information System (OIS)

## National Airspace System Status

### National Programs

<table>
<thead>
<tr>
<th>PROGRAM NAME</th>
<th>START</th>
<th>END</th>
<th>SCOPE</th>
<th>REASON</th>
<th>AVG</th>
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### Ground Stops

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### Delay Info

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<tr>
<td>LGA</td>
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### Airport Closures

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<td>WX:SWAP</td>
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### Miscellaneous

This is not a complete list of Runway/Equipment Status. Please consult the current NOTAMs for complete information.

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<thead>
<tr>
<th>Facility</th>
<th>Description</th>
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NEXT PLANNING TELPON 1711Z
Quiz question #4

• Before we talk about the Current Reroutes page, please answer the following true/false question:

• Reroutes are always required.
  
  a) True
  b) False
Quiz question #4

• The answer is false – not all reroutes are required
Current Reroutes Page

- Summary of all current FAA-issued reroutes
  - Required
  - Recommended
  - FYI
- Links directly to Advisories Database (more on that in a moment)
- www.fly.faa.gov/ratreader/
Current Reroutes Page
<table>
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<tr>
<th>Reroute Details</th>
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## Current Reroutes Page

### ATCS CC Advisory

**ATCS CC ADVZY** 027  DCC  09/08/15  ROUTE RQD / FL

**RAW TEXT:**

ATCS CC ADVZY 027 DCC 09/08/15 ROUTE RQD / FL

**NUM:** PMH 1_Partial

**CONSTRAINED AREA:** ZHC

**REASON:** WEATHER

**INCLUDE TRAFFIC:** BWI/DCA/TAD/PHL DEPARTURES TO ABQ/BUR/LAS/LAX/LGB/PHX/SAN/SNA/VNY

**FACILITIES INCLUDED:** ZAH/ZDC/ZFW/ZTO/ZLA/ZME/VNY

**FLIGHT STATUS:** ALL_FLIGHTS

**VALID:** EDT 081000 TO 081500

**PROBABILITY OF EXTENSION:** LOW

**REMARKS:** REPLACES/EXTENDS ADZY 008.

**ASSOCIATED RESTRICTIONS:** SEE HTML MODIFICATIONS.

### FROM:

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### TO:

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Advisories Database

- Daily “journal” of what is happening in the NAS
- Advisories are issued for any significant development in the NAS
  - Delay programs
  - Ground stops
  - Reroutes
  - Short-term airport closures (aircraft incidents)
  - Volcanic ash advisories
  - Operations plans
- www.fly.faa.gov/adv/advAdvisoryForm.jsp
Current Reroutes Page
Advisories Database

By using our Advisories Database Selection Form, you can choose to see ATCSCC and/or Canadian advisories from among those sent within the past 15 days.
Advisories Database

ATCSCC ADVISORIES FOR Tuesday, 09-08-2015

<table>
<thead>
<tr>
<th>NUMBER</th>
<th>CONTROL ELEMENT</th>
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<td>FCA RQD</td>
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<td>CAWS 002 CANCELLED FOR ZAU/ZKC/ZMP/ZOB</td>
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# Advisories Database

## ATCS/CC Advisory

**ATCS/CC ADVZY 030 DCC 09/08/2015 OPERATIONS PLAN**

**RAW TEXT:** ATCS/CC ADVZY 030 DCC 09/08/2015 OPERATIONS PLAN

**VALID 1400 AND LATER**

### TERMINAL CONSTRAINTS:

- NY/NYETS-HPK
- ATL/HNL/FLL/TPA/DHV/MS-PVTS
- NCD/CLT/ORD/PHX-TSBA
- JFK-RNY 04L/22R CLOSED
- DFW-RNY 03R/21L, 09L/27R CLOSED
- DEN-RNY 17L/35R CLOSED
- SEA-RNY 16G/34C CLOSED
- LAX-RNY 06L/24R CLOSED

### EM ROUTE CONSTRAINTS:

- ZBV/2BC/2V/2JX/2B/2ZAU/2MP/2BC-TSRS
- ZBV/ZBV/2BC/2V/2JX/2B/2ZAU/2MP/2BC-TSRS

### CONVECTIVE ACTIVITY FROM THE MIDDLE MISSISSIPPI VALLEY, UPPER MIDWEST INTO THE UPPER GREAT LAKES DEPICTED IN CAUS 000. STRUCTURED ROUTES/TRAFFIC MANAGEMENT INITIATIVES IN PLACE WITH ADDITIONAL STRUCTURED ROUTES POSSIBLE. EAST 2 ORD, NORTHEAST TO MSP. MSP SOUTH-EAST PARTIAL, PMH 1 PARTIAL ROUTES HAVE BEEN EXTENDED. WEST 2 DFW ROUTE IMS EXPIRED. LISTED BELOW ARE THE POSSIBLE ROUTES THAT WERE DISCUSSED ON THE ROUTE PLANNING WEBINAR.

1. Routes

   - Until 1500: EAST 2 DEN
   - Until 1600: PMH 1 PARTIAL (DC/PS-PVL TO ZAU/ZLA)
   - Until 1600: NORTHEAST TO MSP
   - Until 1600: EAST 2 ORD
   - Until 1700: MSP SOUTH-EAST PARTIAL

   **POSSIBLE ROUTES**

   - After 1700: -EWR/JFK WIND ROUTES EXPECTED
   - After 1500: PMH 3 PARTIAL (TEXAS TO NMOH) POSSIBLE
   - After 1500: -RNA PARTIAL (ZAU/ZLA TO DCPETS/PML) POSSIBLE
   - After 1500: -LEW WEST PARTIAL (SOUTHEAST TO ZAB/ZLA) POSSIBLE
   - After 1500: -AV2 PARTIAL (TEXAS TO DCPETS) POSSIBLE
   - After 1500: PMH 1 PARTIAL ZNV (N20 TO ZAB/ZLA) POSSIBLE
   - After 1500: -ABI PARTIAL ZTL (ZTL TO ZAB/ZLA) POSSIBLE
   - After 1500: -GTH 2 (ZCV/PML TO ZAB/ZLA) POSSIBLE
   - After 1500: -CAN YOT WEST 2 (ZCV/JFK TO PACNW) POSSIBLE
   - After 1500: -CAN YOT WEST 2 (ZCV/JFK TO PACNW) POSSIBLE

2. ZAU

   - Until 1000: -ORD GROUND DELAY PROGRAM
   - After 1000: -ORD/EDW GROUND STOPS POSSIBLE
Other airspace resources

• Due to time constraints, we can only talk about 3 resources
• Many other resources available at www.fly.faa.gov
  • EDCT Lookup tool
  • Current Restrictions
  • National Playbook
  • …. and more …. 
Other airspace resources

• NBAA Glossary of Traffic Flow Management Terms
  • www.nbaa.org/ops/airspace/tfm/glossary/

• NBAA web site
  • www.nbaa.org/ops/airspace/tfm/
Quiz question #5

• Before I leave you, let’s do one more trivia question:

• You’re back in your scheduling office, looking at the day’s upcoming flights. You want to review the resources I have shown you today. The correct place to go is:

  a) flying.faa.com
  b) fly.faa.gov
  c) faa.com
  d) flydelayfree.net
Quiz question #5

- The answer is b – fly.faa.gov
Questions?
NBAA ATS Contact Information

• General - airtraffic@nbaa.org
• Jim McClay – jmcclay@nbaa.org

• For more information about TFM:
  • www.nbaa.org/ops/airspace/tfm