

# Customer Service— Product Evolution

## Quick Response (QR) Code Implementation

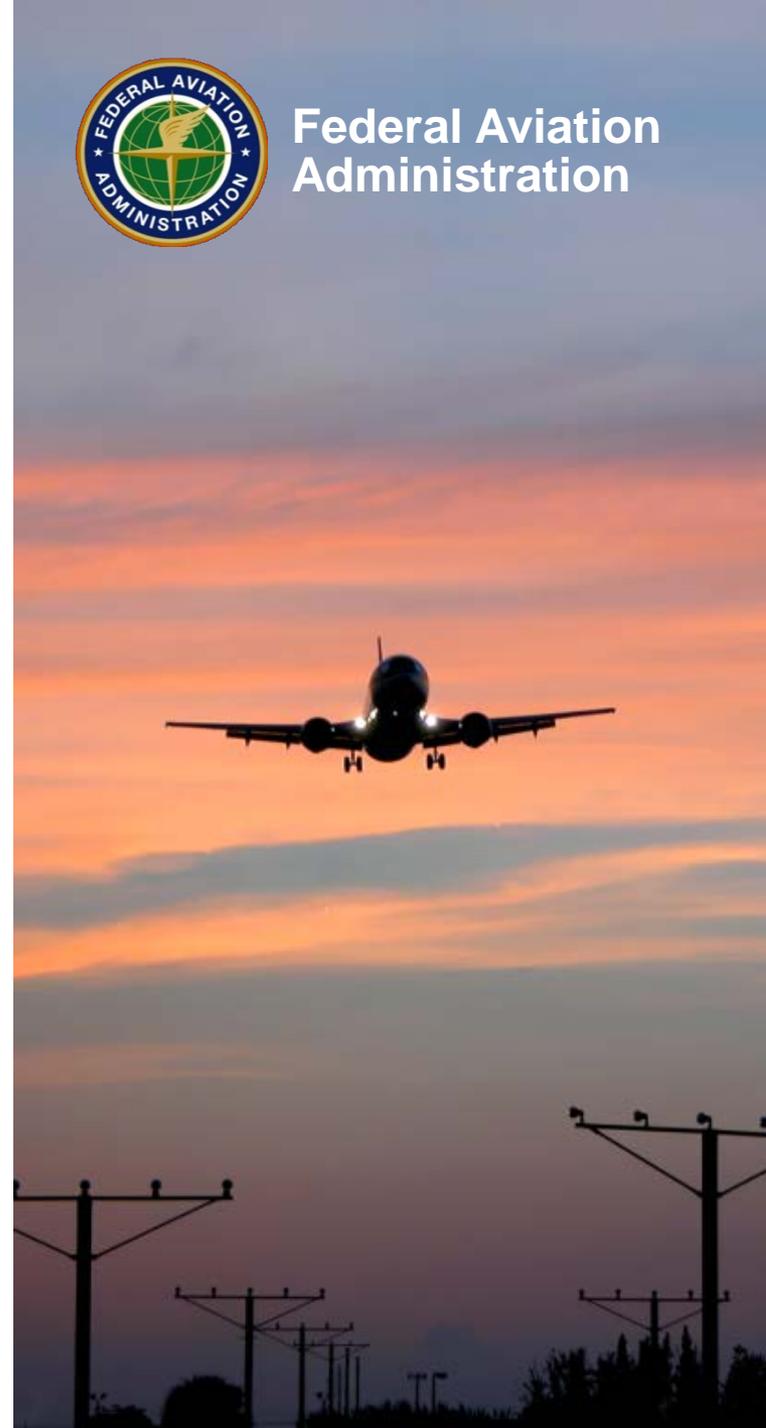
Presented to: Aeronautical Charting Forum

By: Langston Majette, Mission Support Services,  
AeroNav Products, Visual Charting and Airport  
Mapping Group

Date: April 24, 2013



Federal Aviation  
Administration



# History/Background

- QR Code Idea presented to AeroNav Products Management Team—June 2011
- Initial idea was to provide a link between VFR Charts and the Chart Bulletin (published in Airports/Facility Directory)
- Management Team approved the concept



# History/Background (continued)

- Expanded scope in November 2012 with additional customer needs
  - Linkage for pilots' to pertinent flight planning information
  - Include a variety of safety & planning resources
  - Unique QR code for each product line
  - Minimize the number of “clicks”



# QR Code Sub-team Formed

- Team led by Langston Majette, with—  
Val Watson, Jim Grant, Deb Copeland,  
Donna Haggerty
- Preliminary approval by Interagency Air Cartographic Committee (IACC) for use of a single QR code
- Team explored feasibility of Technology & Data Services creation of supporting web pages/URLs



# Sub-team Recommendations

- Concept is to support flight planning
- ONE QR code for EACH product suite (VFR Charts, A/FD, IFR/Enroute, Terminal)
  - Each QR code leads pilot to a webpage containing sub-links for that product line
  - Some sub-links are unique to each product suite;
  - Others are standard for all QR codes/webpages (i.e. NOTAMs, Safety Alerts, etc.)

# Sub-team Recommendations (continued)

- QR Code placement is lower right hand corner
- Location promotes visibility and usage
- For consistency & aesthetics:
  - Code is limited to 75pix x 75pix
  - Each webpage features links to AeroNav Product's Homepage



# VFR Charts

## QR code links to:

- AeroNav Products Homepage
- Aeronautical Chart User's Guide
- Airport/Facility Directory
- NOTAMs & TFRs
- Safety Alerts
- VFR Chart Update Bulletins
- VFR Class B Enhancement Graphics
- Weather Cameras\*

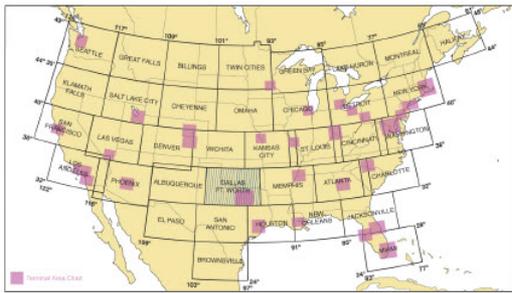
← HLNOS DALLAS – FT. WORTH SECTIONAL AERONAUTICAL CHART SCALE 1:500,000 NORTH →

 Federal Aviation Administration

70<sup>TH</sup> EDITION EFFECTIVE 0901Z **12 MAR 2009**  
TO 0901Z **24 SEP 2009**

Includes airspace amendments effective **12 MAR 2009**  
and all other aeronautical data received by **15 JAN 2009**

Information on this chart will change; consolidated updates or chart changes are available every 56 days in the AIRPORT/  
FACILITY DIRECTORY Chart Bulletin section (online at [www.naco.faa.gov](http://www.naco.faa.gov)). Also consult appropriate NOTICES TO AIRMEN  
(NOTAMs) and other FLIGHT INFORMATION PUBLICATIONS (FLIPs) for the latest changes.



PUBLISHED IN ACCORDANCE WITH INTERAGENCY AIR CARTOGRAPHIC COMMITTEE SPECIFICATIONS AND AGREEMENTS, APPROVED BY: DEPARTMENT OF DEFENSE • FEDERAL AVIATION ADMINISTRATION

Warning: Refer to current foreign charts and flight information publications for information within foreign airspace.

FAA Product ID: SDAL  
  
NSN 7641014100170  
NDA REF. NO. SECXXDALLASFTW

 EFF. DATE 00000



\*Currently available for Alaska; will be expanded to include contiguous 48 states. Date TBD

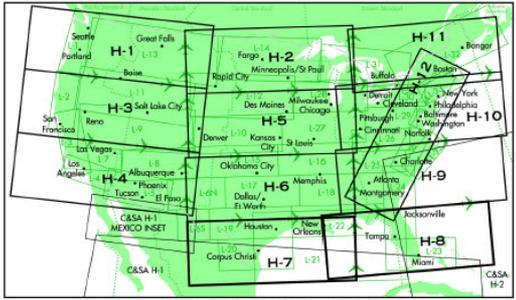
# IFR-Enroute

## QR Code links to:

- AeroNav Products Homepage
- Aeronautical Chart User's Guide
- Airport/Facility Directory
- NOTAMs & TFRs
- Safety Alerts

5 MAY 2011 UNITED STATES H-7/H-8

FEDERAL AVIATION ADMINISTRATION  
Federal Aviation Administration



INSTRUCTIONS FOR ASSEMBLY OF WALL PLANNING CHART  
Obtain two copies of each chart  
Assemble charts by matching airplane silhouettes printed on each chart

PUBLISHED IN ACCORDANCE WITH INTERAGENCY AIR CARTOGRAPHIC COMMITTEE SPECIFICATIONS AND AGREEMENTS, APPROVED BY: DEPARTMENT OF DEFENSE • FEDERAL AVIATION ADMINISTRATION

FAA Product ID: EHUS7  
NSN 7641015131643  
MSA REF. NO. ENRXXUSHCHT07

EFF. DATE: 11125



# Terminal Procedures Publication

## QR Code links to:

- NOTAMs
- Safety Alerts
- d-TTPs/Airport Diagrams
- Airport/Facility Directory & Pacific & Alaska Supplements
- Other Links
  - Aeronav Products Homepage
  - Aeronautical Chart Users Guide
  - Weather Cameras

Federal Aviation Administration

## U.S. Terminal Procedures Publication

Northeast (NE) Vol 3 of 4

Effective: 0901Z  
**7 MAY 2009**  
to: 0901Z  
**2 JUL 2009**

Consult the Change Notice (CN) effective 04 JUN 2009 for revised Instrument Procedure Charts for this volume

Consult NOTAMs for latest information  
Published in accordance with Interagency Air Cartographic Committee specifications and agreements  
Approved by: Department of Defense • Federal Aviation Administration

# Airport/Facility Directory

## QR code links to:

- AeroNav Product's Homepage
- Aeronautical Chart User's Guide
- Digital A/FD
- NOTAMs & TFRs
- Safety Alerts
- Weather Cameras



The image shows the cover of the 'AIRPORT/FACILITY DIRECTORY NORTHEAST U.S.' published by the Federal Aviation Administration. The cover features the FAA logo at the top right. The title is prominently displayed in the center. Below the title, the effective dates are listed: 'Effective 0901Z 20 OCT 2011 to 0901Z 15 DEC 2011'. A map of the Northeast United States is shown, with state abbreviations: MAINE, VT, NH, MA, CT, RI, NEW YORK, NJ, PENNSYLVANIA, WV, MD, DE, VIRGINIA, and DC. At the bottom left, there is a warning about consulting NOTAMs and referring to current foreign charts. At the bottom right, there is a QR code.

Federal Aviation Administration

**AIRPORT/FACILITY DIRECTORY  
NORTHEAST U.S.**

Effective 0901Z **20 OCT 2011**  
to 0901Z **15 DEC 2011**

MAINE  
VT  
NH  
MA  
CT  
RI  
NEW YORK  
NJ  
PENNSYLVANIA  
WV  
MD  
DE  
VIRGINIA  
DC

Consult NOTAMs for latest information  
Warning: Refer to current foreign charts and flight information publications for information within foreign airspace  
Published in accordance with specifications and agreements approved by the Federal Aviation Administration

# Next Steps...

- Finalize individual webpages
- Finalize implementation method within each subgroup of AeroNav Products
- Finalize implementation timeframe
- Implement communication strategy
  - i.e. Friday Thoughts; Website; AOPA, etc.



# Questions?

# Comments?

