

NOTAM Manager – Federal NOTAM System

Direct entry tool for airports

By: Kathlyn Hoekstra
Program Manager
ATO/Aeronautical Information Management

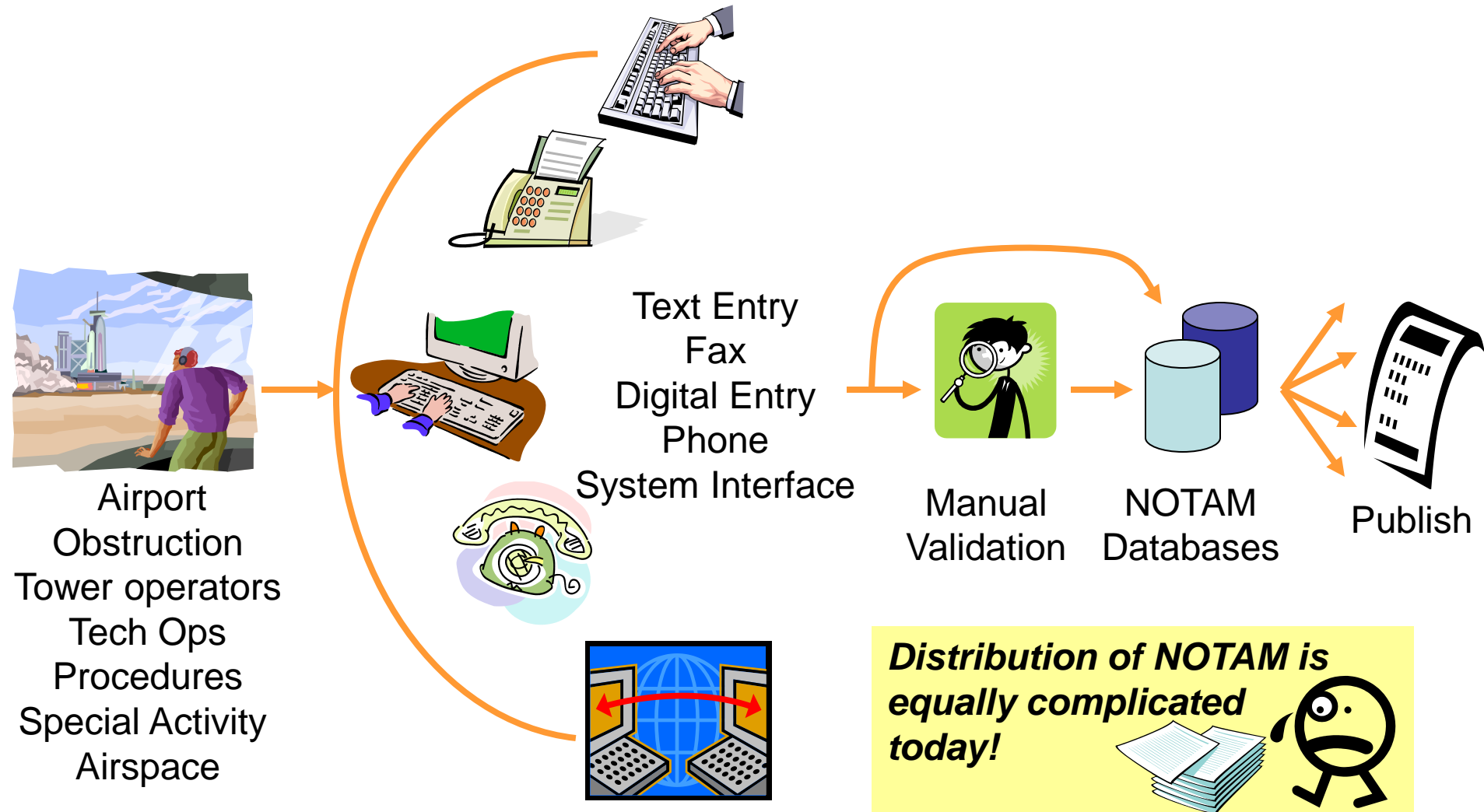
Date: April, 2012



Federal Aviation
Administration



NOTAM entry pathways today

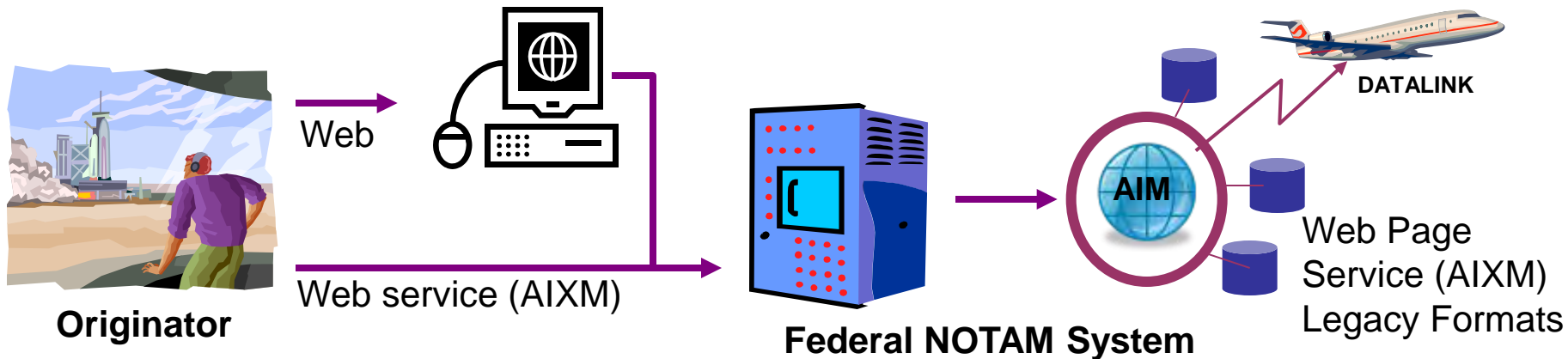


Problems with all this paper:

- **Too many sources of information**
- **No automated ability to sort**
- **How do you avoid missing something important?**
- **NOTAMs take too long to get into the system b/c of delay in going thru 3rd party.**
- **Actual originator far removed from where NOTAM is created**



New Concept of Operations Federal NOTAM System



**1. Originate
NOTAMs at the
Source**

**2. Digital Capture
(AIXM via templates)**

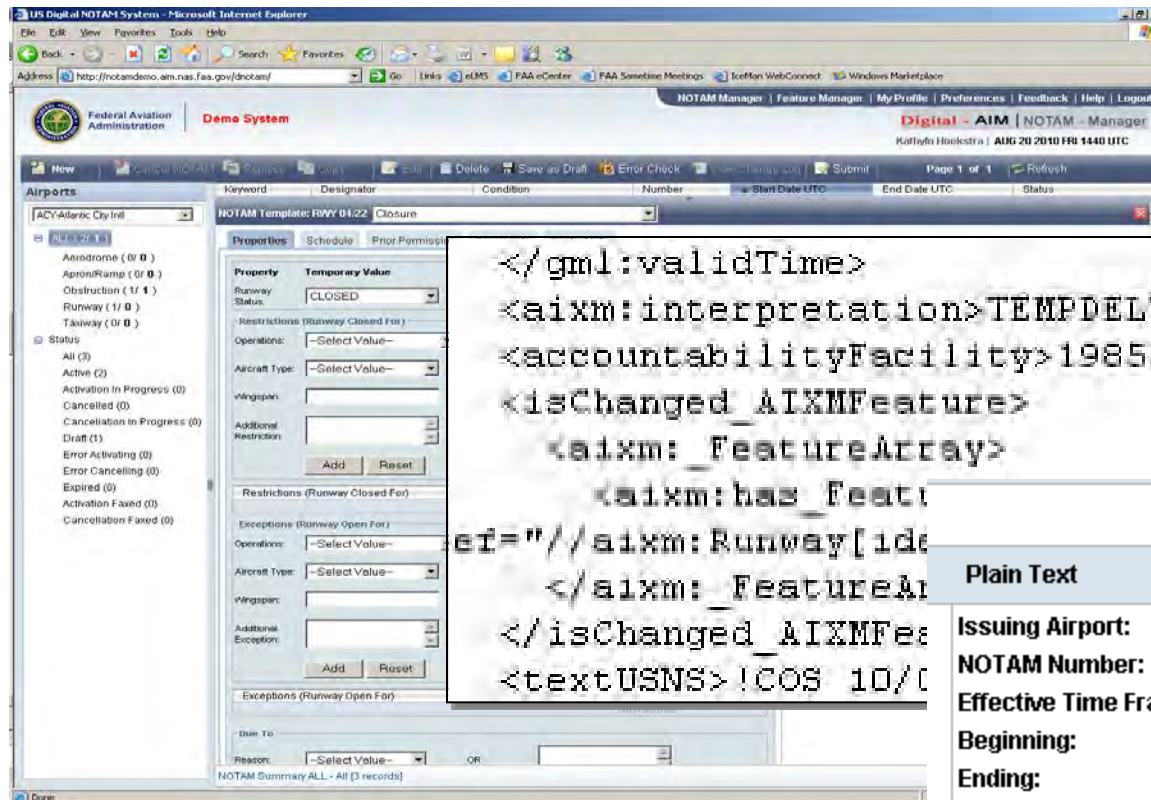
Validate and Publish by FAA

Integrated permanent and temporary
information

Computer readable

Electronic distribution to customers

FNS: Digital Capture and Delivery



AIXM XML

```

</gml:validTime>
<aixm:interpretation>TEMPDELTA</aixm:interpretation>
<accountabilityFacility>19851</accountabilityFacility>
<isChanged_AIXMFeature>
  <aixm:_featureArray>
    <aixm:has_Feati
ef="//aixm:Runway[id
  </aixm:_featureA
</isChanged_AIXMFes
<textUSNS>!COS 10/0
  
```

Plain Text

Issuing Airport: (ACY) Atlantic City Intl
NOTAM Number: 08/054
Effective Time Frame
Beginning: Wednesday, August 18, 2010 2322 (UTC)
Ending: Saturday, August 28, 2010 1212 (UTC)
Affected Areas
Runway: 04/22
Light Status: Lights Obscured on Both Sides

Entry

Plain Text



FNS reduces human error by:

- **Menus/templates/scenarios of NOTAM Manager are created/error-checked before activation;**
- **Originator chooses from lists thus QC occurs before creation of NOTAM vs. after;**
- **Each airport's menu is unique to that airport reducing most additional errors;**
- **Software provides information in 3 formats:**
 - Plain language text – does this say what I want it to say
 - ICAO format, and
 - Old FAA legacy text format



57+ Airports activated!

What are they saying?



Dulles - IAD

- **Prior training for all users**
- **Training completed by FAA in record time**
- **Prior establishment of user credentials**
- **New digital NOTAMs 100% of the time**
- **Excellent Customer Service**
- **Use eNOTAM as primary back-up**
- **Use phone calls as secondary back-up**



IAD, continued - Statistics

- 342 digital NOTAMs submitted in 4 months
- eNOTAM = average of 7 minutes
- Digital NOTAM average **1 second!**



Wish list:

- **Integrate digital NOTAM into Airport's Web Application;**
- **Allow users to generate archive Reports; (done!)**
- **Allow end users to view digital NOTAMs in graphic Mode**



Fairbanks, AK – before Digital

- **Average of 30-45 minutes from need for NOTAM to publication**
- **Outdated, inefficient, errors likely**



FAI, cont. –Benefits of Digital:

- **Enhanced safety**
- **Timely & accurate communication of critical information**
- **Need for supplemental system minimized**
- **Originators have “ownership” of NOTAMs**
- **Ability to stay in airfield environment and continue assessments when conditions change rapidly**
- **Standardization**



FAI, cont. – comments & suggestions

- **Continue to facilitate communication between FAA, airports and users**
- **Enhance or re-think winter condition menus**
 - Mobile devices
 - Ensure ease of use in field
- **Develop, evolve & integrate**
- **Don't make us go back!!**



Richmond, VA

- **NOTAMs issued by Operations and ARFF Departments**
- **Issued by experienced and novice users**
- **Extensive airside construction projects**
- **Increased winter operations**



RIC, cont. – benefits:

- **Personalized Planning**
- **Effective training**
- **NOTAM Process much improved**
- **Excellent response to feedback**



Demonstration

- **NOTAM Manager**

- <https://notams.aim.faa.gov/#!/HomeWidget>
- Password protected – but can request access by clicking on “new user registration”

- **NOTAM Search**

- Public site – no password needed
- <http://notams.aim.faa.gov/notamSearch/>



Next Steps:

- **Self certification for airports – September, 2012**
- **Tech Ops – August, 2012**
- **Obstruction Tower Light operators – Oct, 2012**
- **Procedures – fall/winter 2012-2013**
- **Special Activity Airspace – July, 2012**



Questions?

- **Important information:**
- **Kathlyn.hoekstra@faa.gov**
For Strategic questions
- **Nancy.richmond@faa.gov**
- **Lead for airport activations**

