



**Department of
Defense**



**Federal Aviation
Administration**

NOTAM Realignment

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Date: September 19, 2007

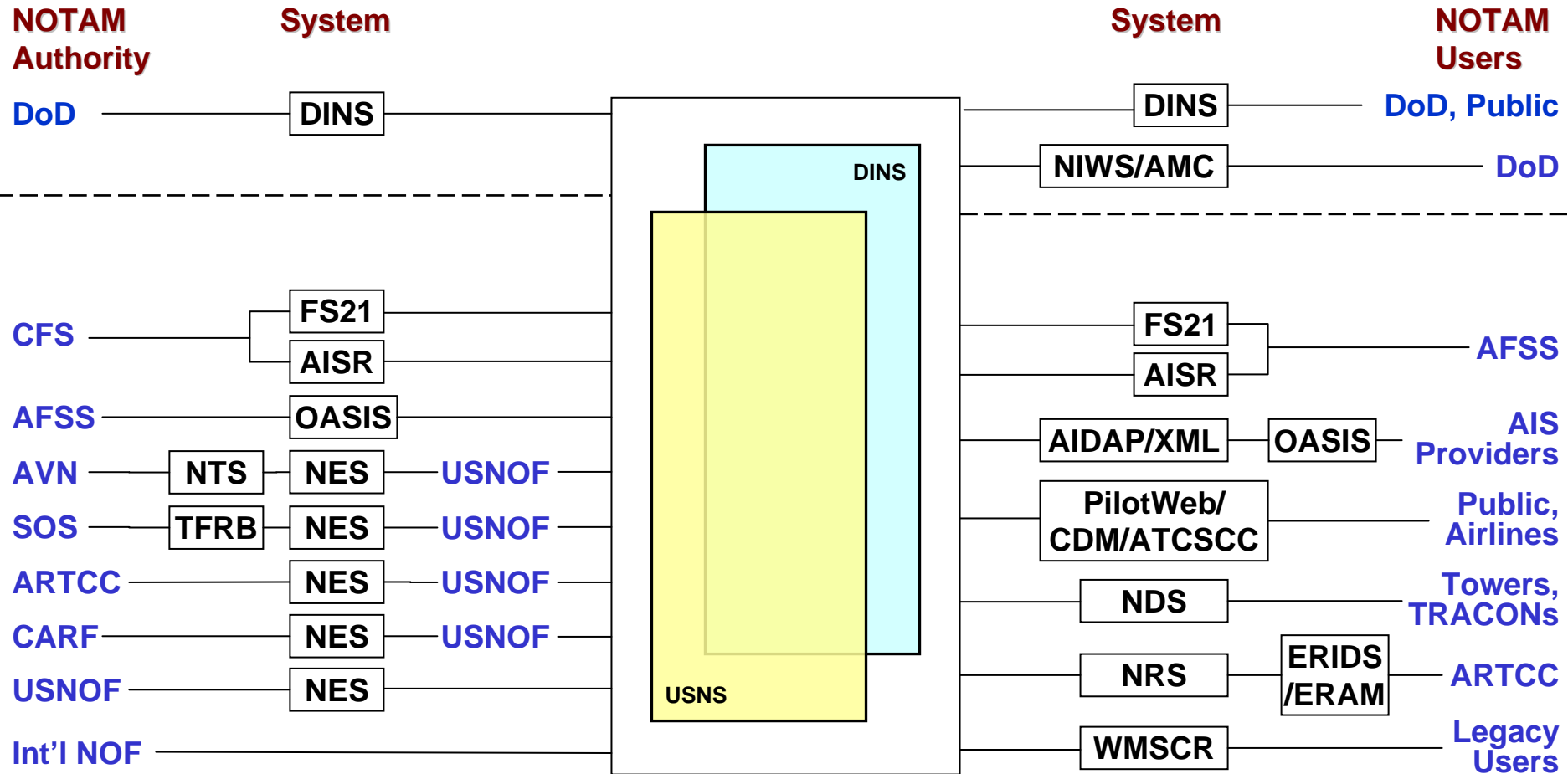
Why Modernize?

- **Must respond to customer concerns**
 - ICAO standardization
 - Local NOTAM accessibility
 - Data reliability, accuracy, and timeliness
 - Digital delivery of data
- **Need to operate more efficiently**
 - Resources are limited
 - Improve service delivery without increase in cost
- **Need to work cooperatively with stakeholders**
 - May 2007
 - DoD/FAA formed partnership to harmonize/consolidate NOTAM system
 - Held Industry Day

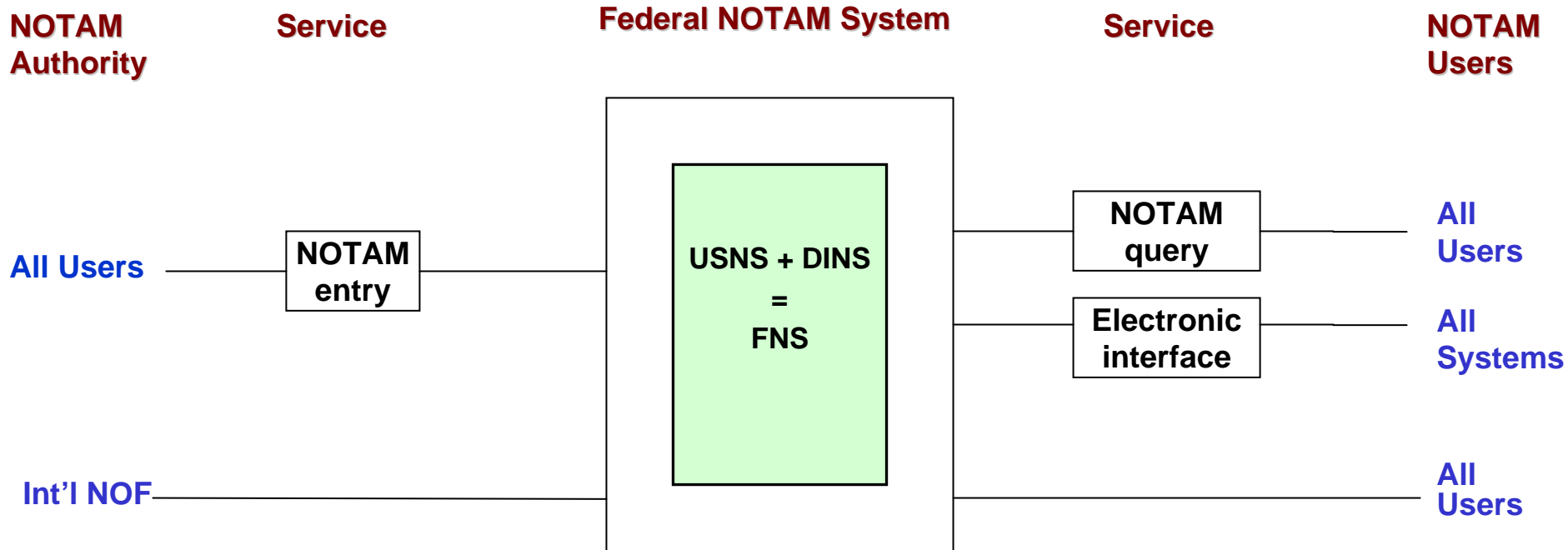
Modernization Goals

- **Improve the quality of NOTAMs**
 - Provide meaningful information
 - Enhance NOTAM interpretation
 - Graphical depiction necessary
 - Improve reliability and accessibility
 - Digital data exchange will enhance filtering and sorting
- **Conform to ICAO standards**
- **Provide a single source for all NOTAMs**
 - One collection and distribution point for all information
 - Consolidate inefficient legacy systems for improved customer service
- **Balance diverse customer needs**
 - Airlines, ATC, General Aviation, International, Military

Current NOTAM Process



Future NOTAM Process



Roadmap

Activity	Date		Result
Industry Day	May '07	<input checked="" type="checkbox"/>	Commitment by U.S. Government to Modify NOTAM System
Initial Policy Change	Dec '07		NOTICE: Align D NOTAM criteria with ICAO NOTAM criteria (reclassify civil L NOTAMs)
System and Additional Policy Changes	Aug '09		One Federal NOTAM System (FNS) with Full ICAO Implementation
System Enhancements	2010+		Aeronautical Information eXchange Model (AIXM) NOTAM Capabilities

Initial Policy Change

- **Expand definition of a Distant (D) NOTAM**
 - Adopt ICAO definition for aerodrome movement area
 - Includes taxiways, ramps, aprons, lighting
 - All D NOTAMs will be prefaced with a keyword
- **Label unverified reports of hazards**
 - Information that meets NOTAM criteria but is unverified will be tagged with (U) and disseminated as D NOTAM
 - Applicable only where letters of agreement exist
- **Label other information that doesn't meet ICAO criteria**
 - Other information that may impact aircraft operations will be tagged with (O) and disseminated as D NOTAM

NOTAM D Examples

- **Runway condition**

- !MIV 07/123 MIV **RWY** 10/28 CLSD 0709021200-0709021600

- **Taxiway status**

- !RDU 07/123 RDU **TWY** A CLSD BTWN A1, A2 TIL
0709011600

- **Ramp status**

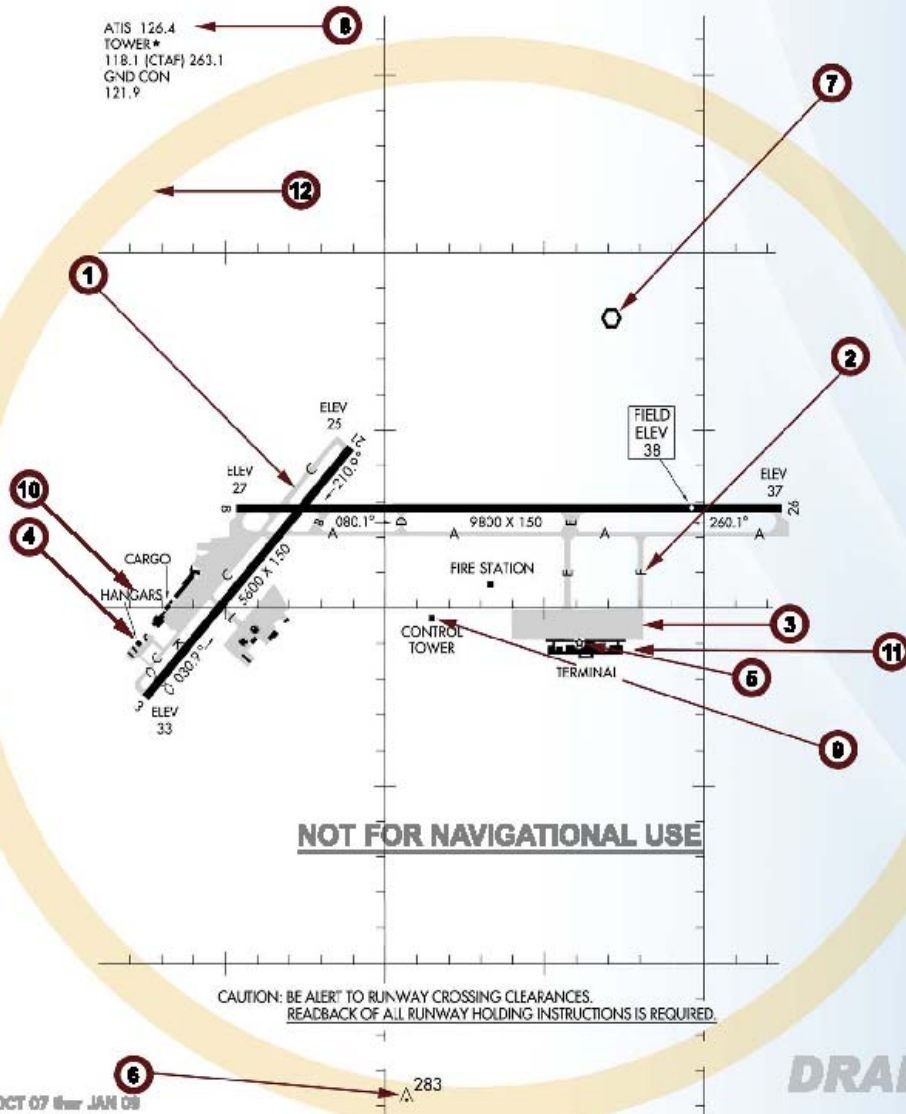
- !MEM 07/123 MEM **RAMP** PAEW FEDEX CARGO EAST

- **Other status information**

- !LOU 07/123 LOZ **(O)** CONTROLLED BURN 6.5SM NORTH
TIL 0708302200

The "D" NOTAM

ATIS 126.4
TOWER *
118.1 (CTAF) 263.1
GND CON
121.9



NOT FOR NAVIGATIONAL USE

CAUTION: BE ALERT TO RUNWAY CROSSING CLEARANCES.
READBCK OF ALL RUNWAY HOLDING INSTRUCTIONS IS REQUIRED.

Effective: OCT 07 thru JAN 08
FAA ATO A/R AMM #071307

Keywords

Explanations

Keywords	Explanations
RWY	1 RWY 3/21 CLSD Runway 3 and Runway 21 is closed to aircraft
TWY	2 TWY F LGTS OTS Taxiway F has its lights out of service
RAMP	3 RAMP TERMINAL EAST SIDE CONSTRUCTION The ramp in front of the east side of the terminal has ongoing construction.
APRON	4 APRON SW TWY C NEAR HANGARS CLSD The apron near the southwest taxiway C in front of the hangers is closed
AD	5 AD ASN OTS The aerodrome airport beacon is out of service
OBST	6 OBST TOWER 283 (248 AGL) 22.2 S LGTS OTS (ASR 1005881) TIL 070727Z008 An obstruction exists for a tower that is 283 feet above Mean Sea Level (MSL) or 248 feet Above Ground Level (AGL) 2.2 statute miles south of the field has its lights being reported out of service. The Antenna structure registration number (ASR) for this obstruction is 1005881 in the FCC database and this light will be returned to service at 2300 UTC (Universal Coordinated Time) on July 27, 2007.
NAV	7 NAV VOR OTS Navigation, the VOR located on this aerodrome is out of service
COM	8 COM ATIS OTS Communications, The Automatic Terminal Information Service (ATIS) is out of service.
SVC	9 SVC TWR 1215-0300 MON-FRI 1430-2300 SAT 1800-0100 SUN TIL 070730Z008 Services, the control tower has new operating hours, 1215-0300 UTC Monday Thru Friday, 1430-2300 UTC on Saturday, and 1800-0100 UTC on Sunday until 0100 UTC on July 30, 2007
	10 SVC FUEL UNAVBL TIL 0707281000 Services all fuel for this aerodrome is unavailable until July 28, 2007 at 1800 UTC
	11 SVC CUSTOMS UNAVBL TIL 0708150000 Services, United States Customs services for this aerodrome will not be available until August 15, 2007 at 0800 UTC
AIRSPACE	12 AIRSPACE AIRSHOW ACFT 5000/BLW 5 NMR AERODROME AVOIDANCE ADDED WEP 0707132000-0707152200 Airspace, There is an airshow being held at this aerodrome with aircraft flying 5000 feet and below within a 5 nautical mile radius, avoidance is advised from 2000 UTC on July 15, 2007 until 2200 UTC on July 15, 2007

NOTE: A/D NOTAM "D" will have a keyword at the beginning of the text of each NOTAM.

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Initial Implementation Activities

- **NOTAM Realignment Working Group (NRWG)**
 - Stakeholder representatives from AIM, DoD, Flight Service, and USNOF
 - Reviewing/modifying NOTAM Handbook
 - Creating NOTICE for coordination and dissemination
- **Safety Risk Management Panel**
 - Includes members from AFS, AOPA, ARP, ATA, AVN, Continental Airlines, DoD, En Route Service Unit, NBAA, Northwest Airlines, Sys Ops Service Unit, Tech Ops Service Unit, Terminal Service Unit, US Airways
 - Reviewing proposed changes to policy proposed by NRWG
 - Identifying hazards and potential mitigations

Summary of changes

- **Reclassify civil Local NOTAMs**
 - All current local NOTAMs become D NOTAMs
- **Create keywords for all D NOTAMs for improved sorting and parsing**
 - AD AIRSPACE APRON COM
 - NAV OBST (O) RAMP
 - RWY SVC TWY (U)
- **Create central repository for all NOTAMs**
- **Standardize NOTAM policy**

Next Steps

- **Town hall meetings October/November 2007**
 - Interactive, web based forum, question and answer session to answer questions and resolve any issues
- **NOTICE effective December 2007**
- **NOTAM Handbook update published July 31, 2008**
- **Kick off next phase NOTAM Realignment**
 - Continue weekly meetings until ICAO standardized document
- **Begin federal system consolidation 2008**
- **Goal: Full ICAO implementation including SNOWTAMs and ASHTAMs**
 - 28 August 2009

Moving Forward

Questions

And

Answers

Back up slides

Proposed ICAO Series

- **A-series: Aerodrome movement area NOTAMs**
- **B-series: Facilities and Services**
- **C-series: Airspace**
- **D-series: Obstructions**
- **F-series: Fuel (current military)**
- **G-series: GNSS**
- **I-series: International NOTAMs issued by US**
- **L-series: Local (current military)**
- **M-series: Flight Safety (current military)**
- **N-series: NavAids**
- **O-series: Other aeronautical information**
- **P-series: Procedural**
- **U-series: Unverified**
- **V-series: Procedural (current military)**
- **W-series: DAFIF (current military)**
- **X-series: DoD NOTAM Office**
- **SW-series: Snowtams**
- **VA-series: Ashtams**