



Notices to Airmen (NOTAMs)

NEXT



A private pilot and his family were flying on vacation to a remote airstrip near a lake where they were looking forward to camping and fishing.

[LEARN MORE](#)

The pilot had carefully planned the trip and called the Flight Service Station just before departure for a complete preflight weather briefing. Since they were scheduled to arrive after sunset, the pilot asked the briefer to confirm that the runway lights were operational.

The briefer reviewed the Notices to Airmen (NOTAMs) for the airport and did not see any reference to the runway lights being out of service. However, an unlighted construction crane was located near the approach path to the runway, and this item was never entered into the NOTAM system.

Upon arrival at the destination, the aircraft hit the unlighted obstruction just short of the runway and all aboard were killed.

Prompt information to the flying community is important. This information aids the pilot in deciding whether to fly or not.

NOTAMs keep the controller informed as to what is affecting his or her work environment. Are there any runways closed? Are all the Navigational Aids (NAVAIDs) working?



Purpose

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This lesson discusses how time-critical information concerning the National Airspace System (NAS) is received, processed, and disseminated to all aviation interests.



Objectives

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You will be able to identify:

1. Methods of disseminating airmen's information
2. Types of NOTAMs
3. Responsibilities for reporting NOTAMs

You will meet the objectives in accordance with the following references:

- FAA Orders
 - JO 7110.65, Air Traffic Control
 - JO 7930.2, Notices to Airmen





Notices to Airmen (NOTAMs)

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Notice to Airmen (NOTAM) Definition

A Notice to Airmen (NOTAM) provides information (not known sufficiently in advance to publicize by other means) concerning the establishment, condition, or change in any component (facility, service, or procedure of, or hazard in the NAS) the timely knowledge of which is essential to personnel concerned with flight operations.

JO 7110.65, Pilot/Controller Glossary





AIR TRAFFIC BASICS | Lesson 5: Notices to Airmen (NOTAMs)

ALL LESSONS FRAME: 5

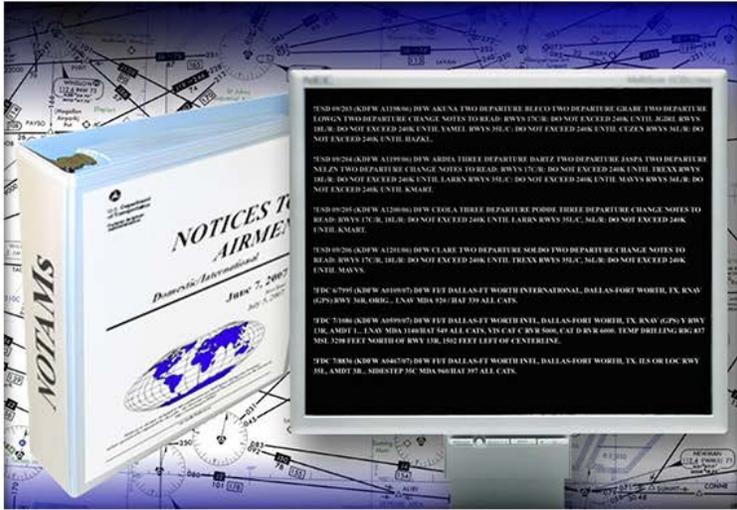
Notices to Airmen (NOTAMs)

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Dissemination of Airmen's Information

The system for disseminating aeronautical information is made up of two subsystems:

- The Airmen's Information System (AIS)
 - AIS consists of charts and publications
- The NOTAM system
 - NOTAM is a telecommunication system.



LEARN MORE

Airmen's information is disseminated by the following methods:

- Aeronautical charts:
 - IFR charts such as:
 - ◆ En Route High Altitude Charts
 - ◆ En Route Low Altitude Charts
 - VFR charts such as:
 - Sectional Aeronautical Charts
 - Terminal Area Charts (TACs)
 - World Aeronautical Charts (WACs)
- Flight Information Publications in book form, known as "FLIPs":
 - Notices to Airmen Publication (NTAP)
 - Airport/Facility Directory (AFD)
 - U.S. Terminal Procedures (TERPs)
 - Aeronautical Information Manual (AIM)

Reference: JO 7930.2, Chap. 2



Types of NOTAMs

Types of NOTAMs

Originators of airmen's information are expected to inform the National Flight Data Center (NFDC) in sufficient time before the effective dates of changes to permit publishing of aeronautical data on the various charts or in the appropriate publications.

When changes occur so rapidly that time does not permit issuance on a chart or in an appropriate publication, yet the timely issuance of the changes are essential, they are publicized as NOTAMs.

NOTAMs are classified into the following four types:

- NOTAM D
- FDC NOTAM
- Pointer NOTAM
- Military NOTAM

JO 7930.2, Chap. 2





Types of NOTAMs

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NAVIGATION AIDS



RUNWAYS



NOTAM D

- Consists of information that requires wide dissemination via telecommunication and pertains to:
 - En Route navigational aids
 - Civil public-use airports listed in the Airport Facility Directory (AFD)
 - Facilities
 - Services

JO 7930.2, Chap. 2



Types of NOTAMs

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IDCA **09/264** (KDCA A0690/09) DCA TWY G CLSD W TWY J WEF 0909270315-0911252359
IOMA **09/051** OMA RWY 27 REIL N SIDE OTS
IABQ **09/111** ABQ OBST MOORED BALLOON 1 NMR 900/BLW 6.34 NW (3505N10640W)
TIL 1009092359

NOTAM D

Every NOTAM D will have one of the following keywords prior to the stated condition:

- ODP – Obst Dep Procedure
- TWY – taxiway
- APRON – apron
- AD – aerodrome
- COM – communications
- NAV – navigation
- SVC – service
- OBST – obstructions
- RWY – Runway
- (U) – unverified
- SID – Std Inst Dep
- STAR – Std Trml Arr
- DATA – Data
- CHART – Chart
- IAP – Inst Apch Procedure
- VFP – Vis Flight Procedure
- ROUTE – Route
- SPECIAL – Special
- AIRSPACE – airspace
- (O) – Other

All wind shear detection systems (LLWAS, TDWR, and WSP) are reported as: *"MICROBURST/WINDSHEAR DETECTION SYSTEM"*



Types of NOTAMs

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FDC NOTAM

- Consists of information that is regulatory in nature pertaining to flight including, but not limited to:
 - Changes to IFR charts
 - Procedures
 - Airspace usage

JO 7930.2, Chap. 2



!FDC 9/7714 (KOKC A0852/09) OKC F/I/T WILL ROGERS WORLD, OKLAHOMA CITY, OK. RNAV (GPS) Y RWY 35R, ORIG-B... RNAV (GPS) RWY 31, ORIG... CIRCLING CATS A/B/C MDA 1840/HAA 545. TEMPORARY CRANE, 1.92 NM N OF OKLAHOMA CITY/WILL ROGERS WORLD, 200 AGL/1475 MSL

!FDC 9/9565 OKC CANCELLED BY FDC 9/9567 ON 09/14/09 18:46



Types of NOTAMs

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!CPR CPR AIRSPACE SEE DDY 12/045 PJE WEF 0802141400-0802141830

To decode:

HEADER			BODY			FOOTER
(!)	Accountable Location	Affected Location	Keyword	Surface Identification	Condition	Effective Times
!	CPR	CPR	AIRSPACE	n/a	See 12/045 PJE	WEF 0802141400-0802141830

Pointer NOTAM

The purpose of a pointer NOTAM is to make pilots aware of the existence of a condition or event that might require a lengthy description, and "point" to the NOTAM containing more detailed information.

This practice is intended to help reduce the volume of NOTAM information provided in a standard briefing. Pilots who will be operating in this airspace during the effective time will know where to go to get detailed information, while pilots who are not affected can move on.

JO 7930.2, Chap. 2

!FAI 04/395 FAI SVC SEE ZAN NOTAM 04/063 FOR FAI APCH CTL HOURS OF OPERATION WEF 0904260700

IENA 04/063 (PAZA A0285/09) ZAN SVC FAIRBANKS APPROACH CONTROL CLSD TRSA AIRSPACE/ TRSA SVC TO VFR ACFT WILL BE UNAVBL FOR APPROACH CONTROL SVCS CTC ANCHORAGE CENTER 120.9/319.2 0700-1400 DLY WEF 0904270700



Types of NOTAMs

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Military NOTAM

- Pertains to U.S. Air Force, Army, Marine, and Navy navigational aids and airports that are part of the NAS
- Numbering system is different
- Generally plain language
- If formatted properly, they will be published as an FDC or D NOTAM

JO 7930.2, Chap. 2

M0318/09 - APCH END RWY 30 WIND DIRECTION INDICATOR UNSERVICEABLE. 16 SEP 18:17 2009 UNTIL 25 OCT 23:59 2009. CREATED: 16 SEP 18:18 2009

M0385/09 - RWY 34 MIDDLE MARKER (ILS) UNSERVICEABLE. 21 AUG 13:00 2009 UNTIL 13 NOV 23:59 2009. CREATED: 20 AUG 19:18 2009

M0685/09 - 180 DEGREE TURNS PERMITTED ONLY ON FIRST AND LAST 1,000 FT OF RWY 01L/19R DUE TO ASPHALT PAVEMENT DEGRADATION. 29 JUL 09:19 2009 UNTIL 30 SEP 23:59 2009. CREATED: 29 JUL 09:19 2009



Responsibilities

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Air Traffic Facilities Responsibilities

Air traffic facilities shall originate NOTAMs for air navigation aids which they are responsible for monitoring or controlling.

JO 7930.2, Chap. 5





Responsibilities

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Air Traffic Personnel Responsibilities

Air traffic personnel shall:

- Immediately report any situation or condition considered hazardous to flight to the air traffic facility for appropriate action
- Accept all airmen information regardless of source or subject matter, provided the occurrence is no more than three days in the future
- Record name, title, address, and phone number of person submitting information, and forward to the appropriate Automated Flight Service Station (AFSS)
- Coordinate with other affected ATC facilities

JO 7930.2, Chaps. 1 and 5



Responsibilities

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Terminal and ARTCCs Responsibilities

Terminals and ARTCCs:

- They only accept and disseminate NOTAMs.
- They do not classify NOTAMs.

JO 7930.2, Chap. 1





Responsibilities

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Automated Flight Service Stations Responsibilities

AFSSs shall classify, accept, format, and disseminate NOTAMs, as well as monitor their currency.

JO 7930.2, Chap. 1



Responsibilities

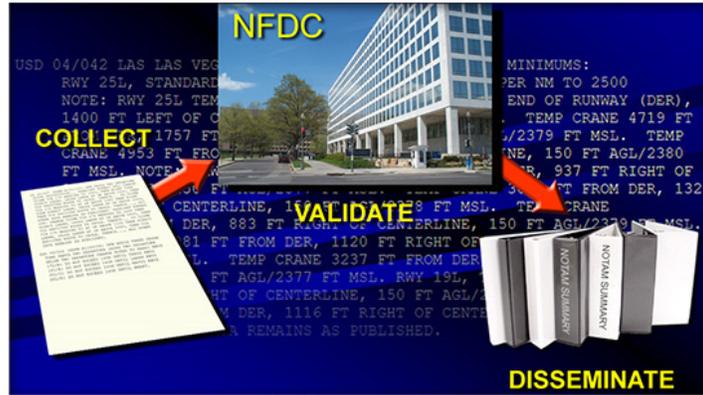
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National Flight Data Center (NFDC)

The National Flight Data Center, is responsible for:

- Issuing FDC NOTAMs and NOTAM Ds pertaining to changes to Instrument Departure Procedures (DPs) and Standard Terminal Arrival Routes (STARs)
- Operating the National NOTAM System
- Managing the FAA's aeronautical information database
- Collecting, validating, and disseminating data for use by the charting and publication entities of FAA, other government agencies, and industry



NOTE: SIDs and STARs will be taught in a later lesson.

JO 7930.2, Chap. 1



Responsibilities

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Technical Operations (Tech Ops) Services

The Technical Operations (Tech Ops) Services, System Management Office (SMO) manager , or representative, is responsible for:

- Initiating NOTAM information for shutdown, restoration, or any condition that affects the operations of NAVAIDs, frequencies, or other electronic aids that affect safety of flight
 - This includes forwarding data of programmed changes in the NAS, such as frequency changes, commissioning/decommissioning, etc.
- Coordinating with appropriate Air Traffic (AT) facilities prior to shutdown or changes that affect safety of flight
 - Tech Ops personnel are expected to submit approval requests for routine maintenance shutdowns sufficiently in advance to ensure that approval will be received with ample time for issuance of a NOTAM five hours before a shutdown will occur.
 - Routine shutdowns of AT system components should occur during the hours of least traffic activity regardless of the time of day.

JO 7930.2, Chap. 1





Responsibilities

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Aviation System Standards

Aviation System Standards National Flight Procedures Office (AVN) is a part of Tech Ops.

AVN personnel identify those safety-of-flight conditions which require the issuance of FDC NOTAMs relating to instrument flight procedures.

FDC NOTAMs are normally issued for revisions to standard instrument approach procedures, airway structures, and some departure procedures.

- The Flight Inspection Operations Division initiates NOTAMs pertaining to NAVAID restrictions.

JO 7930.2, Chap. 1





Responsibilities

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Airport Manager/Operator

- Airports are not owned by the FAA.
- Airport management is responsible for observing and reporting the condition of a movement area.
- Airport management must provide a list of personnel authorized to issue NOTAMS.
- Legally, only airport management can close a movement area.

JO 7930.2, Chap. 5



Conclusion

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Lesson Summary



This lesson covered:

- Notices to Airmen (NOTAMs)
- Types of NOTAMS
 - NOTAM D
 - FDC
 - Pointer
 - Military
- Responsibilities

