

II.J. 14 CFR and Publications

Objectives	The student should develop knowledge of the elements related to federal aviation regulations and publications.
Key Elements	<ul style="list-style-type: none">✦ AFD✦ ACs✦ NOTAMs
Elements	<ul style="list-style-type: none">✦ FARs Part 1, 61, 91, and NTSB Part 830✦ Aviation related publications
Schedule	<ol style="list-style-type: none">1. Discuss objectives2. Review material3. Development4. Conclusion
Equipment	<ul style="list-style-type: none">✦ White board✦ Markers✦ References
Instructor's Actions	<ol style="list-style-type: none">1. Discuss lesson objectives2. Present lecture3. Questions4. Homework
Student's Actions	Participate in discussion Take notes
Completion Standards	The student can understand the purpose and content of the FARs as well as useful publications.

References

14 CFR Parts 1, 61, 91
NTSB Part 830
AC 00-2
FAA-H-8083-25
POH/AFM
AIM

Instructor Notes

Introduction

Overview—review objectives and key ideas.
Why—we need to understand the use of publications in flying.

14 CFR Part 1

[Part 1—Definitions and abbreviations](#)
Provides general definitions, abbreviations, and symbols.

14 CFR Part 61

[Part 61—Certification: Pilots, flight instructors, and ground instructors](#)
The requirements for issuing pilot, flight instructor, and ground instructor certificates and ratings, the conditions under which those certificates/ratings are necessary, and the privileges and limitations of those certificates and ratings.

Subparts:

- ✦ Aircraft ratings and pilot authorization
- ✦ Student pilots
- ✦ Recreational pilots
- ✦ Private pilots
- ✦ Commercial pilots
- ✦ Airline transport pilots
- ✦ Flight instructors
- ✦ Ground instructors
- ✦ Sport pilots

14 CFR Part 91

[Part 91—General operating and flight rules](#)
Describes rules governing the operation of aircraft.

Subparts:

- ✦ General
- ✦ Flight rules (general, visual, instrument)
- ✦ Equipment, instrument, and certificate requirements
- ✦ Special flight operations
- ✦ Maintenance, preventative maintenance, and alteration
- ✦ Large and turbine-powered multiengine airplanes and fractional ownership program aircraft
- ✦ Additional equipment and operating requirements for large and transport category aircraft
- ✦ Foreign aircraft operations and operations of US registry civil aircraft outside of the US; and rules governing persons on board such aircraft
- ✦ Operating noise limits
- ✦ Waivers
- ✦ Fractional ownership operations

NTSB Part 830

NTSB—function within the US DOT that has rule-making authority similar to the FAA.

Contains numerous forms and paragraphs, such as:

- ✦ Applicability
- ✦ Definitions
- ✦ Immediate notification
- ✦ Information to be given in notification
- ✦ Preservation of aircraft wreckage, mail, cargo, and records
- ✦ Reports/statements to be filed

AF/D

[Now known as Chart Supplement.](#)

Civil flight information publication; published/distributed every 8 weeks by NACO.

NACO—National Aeronautical Charting Office (FAA division).

Directory of all airports, seaplane bases, and heliports open to the public, communication data, navigational facilities, and certain special notices and procedures.

Published for each of seven geographical districts: NW, SW, NC, SC, EC, NE, SE.

Vital publication for cross country planning: contains all pertinent info regarding airports, FSS contact info, etc.

AIM

[Aeronautical Information Manual](#)

Provides pilots with a vast amount of basic flight info and ATC procedures in the US—has a comprehensive and useful index to find topics of interest.

Advisory Circulars

Issued as a systematic means for issuing nonregulatory material of interest to the aviation public. Not binding unless incorporated into a regulation by reference. Provide guidance/info on a subject, or show a method for complying with a FAR that is acceptable by the FAA.

Number system of general subject matter areas corresponding with the FAR subjects

- ✦ 00—General
- ✦ 10—Procedural Rules
- ✦ 20—Aircraft
- ✦ 60—Airmen
- ✦ 70—Airspace
- ✦ 90—Air Traffic and General Operating Rules
- ✦ 120—Air Carriers, Air Travel Clubs, and Operators for Compensation/Hire: Certification and Ops
- ✦ 140—Schools and Other Certificated Agencies
- ✦ 150—Airport Noise Compatibility Planning

- ✦ 170—Navigation Facilities
- ✦ 180—Administrative Regulations
- ✦ 190—Withholding Security Information
- ✦ 210—Flight Info (Aeronautical charts, doesn't relate to the FARs)

NOTAM

Notice to Airmen (NOTAM)—disseminates time critical aeronautical info, which is either temporary in nature, or not sufficiently known in advance to permit publication on aeronautical charts or in other publications. Information that could affect the decision to make a flight.

NOTAM (D)

Distant.

Usually regarding airport or navigation facilities—includes info like airport or primary runway closures, changes in the status of nav aids, ILSs, radar service availability, and other info essential to planned enroute, terminal, or landing ops.

Info is disseminated for all nav facilities part of the NAS, public use airports, seaplane bases, and heliports listed in the A/FD.

Attached to hourly weather reports. Available at FSS.

NOTAM (L)

Local.

Items of local nature—includes info like taxiway closures, personnel/equipment near/crossing runways, rotating beacon outages, airport lighting that does not affect instrument approach procedure criteria.

Distributed only locally and not attached to hourly weather reports. Maintained at the FSS nearest the affected airport. Information for other FSS areas must be specifically requested from the responsible FSS.

DUATS vendors are not required to provide NOTAM (L) info.

FDC NOTAM

Flight Data Center.

Regulatory in nature; include amendments to published IAPs and other aeronautical charts. Advertise TFRs caused by natural disasters or large-scale public events that may generate a congestion of air traffic over a site.

FSS responsible for maintaining a file of current, unpublished FDC NOTAMS concerning conditions within 400 NM of their facilities. Info concerning conditions beyond 400 NM is given only when requested. DUATS vendors provide FDC NOTAMS only upon site-specific requests using a location identifier.

NTAP

Notices to Airmen Publication.

Issued every 28 days—integral part of the NOTAM system. Once published in the NTAP, a NOTAM isn't provided during pilot weather briefings unless requested.

Two sections:

- ✦ 1st section—NOTAMs (D) that are expected to remain in effect for an extended period, FDC NOTAMs that are current at the time of publication, and some NOTAMs (L) and other unique info when contributing to safety.
- ✦ 2nd section—special notices that are too long or concern a wide/unspecified geographic area.

Number of last FDC NOTAM in NTAP is shown on the front to help update the listing with any that may have been issued between the cut-off data and the data the publication is received. All info is carried until it expires, is cancelled, or is published in other publications.

All new NOTAMs entered, excluding FDC NOTAMs, will be published only if the info is expected to remain in effect for at least 7 days after the effective date of the NTAP.

PTS/ACS

Practical Test Standards/Airman Certification Standards.

FARs specify areas in which knowledge/skill must be shown before the issuance of a certificate. Provide flexibility to permit the FAA to publish PTS.

Current: Sport, Private, Instrument, Commercial, Flight Instructor (Instrument), ATP, and Type Rating

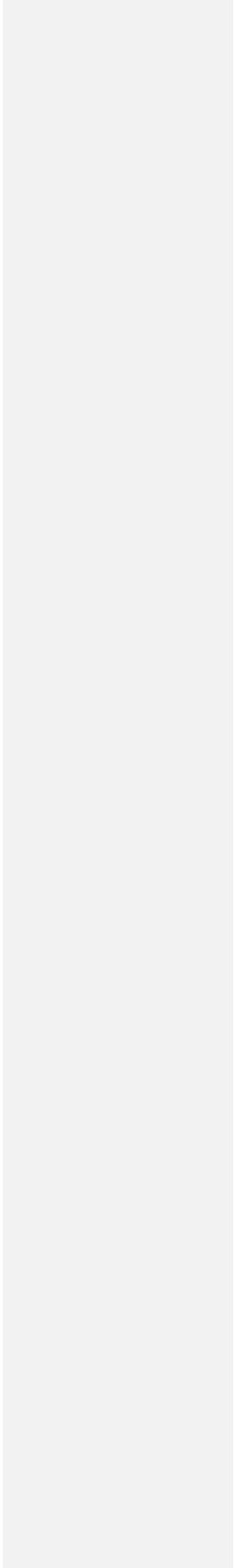
POH

Pilot's Operating Handbook

Describes the airplane and its operation.

Sections:

- ✦ General—description of the airplane
- ✦ Limitations—description of operating limits
- ✦ Emergency procedures—what to do in each emergency situation
- ✦ Normal procedures—checklists
- ✦ Performance—graphs and tables relating to airplane capabilities
- ✦ Weight and balance—equipment list and airplane's empty weight
- ✦ Airplane and systems description—description of the airplane's systems
- ✦ Handling, preventative, and corrective maintenance—explanation of what and when and how maintenance should be conducted
- ✦ Supplements—description of optional equipment or upgrades



Conclusion

Brief review of the main points.
The FARs and publications provide many resources to help in flying, obtaining licenses, as well as building aeronautical knowledge.

CFI PTS

Objective: To determine that the applicant exhibits instructional knowledge of the elements related to the Code of Federal Regulations and related publications by describing:

1. Availability and method of revision of 14 CFR parts 1, 61, 91, and NTSB part 830:
 - a) purpose.
 - b) general content.
2. Availability of flight information publications, advisory circulars, practical test standards, pilot operating handbooks, and FAA-approved airplane flight manuals by describing:
 - a) availability.
 - b) purpose.
 - c) general content.