

PLANNING

NOTE: An extract of FLIP, Section II, has been prepared by USAAVNS for classroom training only. A copy of it should accompany this program and should be used for frames 13 through 33 as necessary. If you use a current Section II for these frames, answers shown in this program may not agree.

CAUTION: Read the note in the front of the Section II classroom extract.

A section near the rear of the "IFR Supplement" covers procedures related to weather and NOTAM's. Several types of information are shown including the telephone numbers of certain USAF weather briefing facilities. If you had to call Maxwell AFB over commercial telephone for a weather briefing, what number would you use? \_\_\_\_\_.

V. USAF WEATHER BRIEFING FACILITY LISTING		
<u>AIR FORCE BASE</u>	<u>AUTOVON NUMBER</u>	<u>COMMERCIAL NUMBER</u>
ANDREWS	851-3300, Ext 2840	301 981-2840
BARKSDALE	733-1820, Ext 4444	318 456-4444
CARSWELL	733-3410, Ext 8737	817 738-3511 Ext 8737
ELLSWORTH	553-3390, Ext 7961	605 399-7961
GRIFFISS	947-2381	315 330-2381
HAMILTON	997-4315	415-838-4315
HILL	986-2821	801 777-2821
KELLY	945, Ext 5050	512 925-5050
KIRTLAND	553-1400, Ext 3252	505 247-1711, Ext 3252
MARCH	727-1650, Ext 2463	714 653-3300
MAXWELL	461-5015	205 265-0648
MC CHORD	554-1430, Ext 2079	206 984-2079
MC CONNELL	Ext 078	316 685-1151, Ext 5078
GUIRE	Ext 4668	609 723-3600
		Ext 8911, Ext

12a.

Answer: No response.

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63a.

Answer: 205 265-0648



13a.

Answer: AS - FLIP aerodrome sketches

ES - FLIP enroute supplements (IFR and VFR)

} either  
order

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64a.

Answer: ✓ Both IFR and VFR.

If we consult the "Index for Aeronautical Information" under aerodrome, we find that a cross reference listing of cities/aerodromes can be found in the \_\_\_\_\_.

**REVIEW**

1. The "IFR Supplement" contains an alphabetical listing of US aerodromes that have a published \_\_\_\_\_.
2. Radio aids to navigation are listed only in the \_\_\_\_\_.
3. Also found only in the "IFR Supplement" are \_\_\_\_\_ approach minimums.
4. For complete coverage contained in the "IFR Supplement," look on \_\_\_\_\_.

14a.

Answer: FLIP, Enroute VFR Supplement

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65a.

- Answer:
1. instrument approach, procedures, and/or radar
  2. "IFR Supplement" ("Aerodrome/Facility Directory")
  3. radar (GCA)
  4. front cover - Table of Contents

You may forget where some type of aviation information is located in various parts of FLIP. If this happens, you can locate the source of the information by referring to \_\_\_\_\_.

FLIP ENROUTE VFR SUPPLEMENT - US

Another FLIP booklet, the "VFR Supplement," is often required for cross-country flight. The answers to the next several frames should be based on illustrations printed in this program and referenced to the current "VFR Supplement" which you have been issued.

Although the "IFR Supplement" contains a directory of only those aerodromes with an instrument approach procedure and/or radar (IFR airports), the "VFR Supplement" contains a general aerodrome directory including both \_\_\_\_\_ and \_\_\_\_\_ type aerodromes.

15a.

Answer: Section II, "Index for Aeronautical Information"

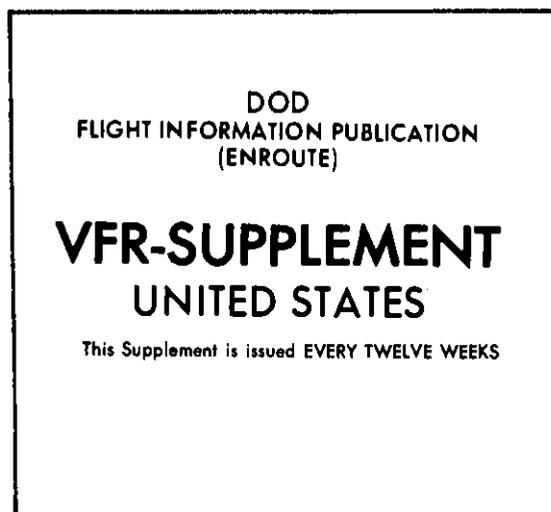
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66a.

Answer: VFR/IFR (either order)

Information about special use airspace (restricted areas, etc.)  
can be found in two different parts of FLIP. These are \_\_\_\_\_  
\_\_\_\_\_ and \_\_\_\_\_.

You recall that the "IFR Supplement" was issued every \_\_\_\_\_ weeks.  
How often is the "VFR Supplement" issued?



16a.

Answer: FLIP enroute charts (EC)

Section IIB

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67a.

Answer: 4

Every 12 weeks

Information about aerodromes of entry can be found in FLIP,

\_\_\_\_\_. You would check this information in current  
FLIP if your flight mission \_\_\_\_\_  
\_\_\_\_\_.

JASPER CO, TEX. 30°54'N 94°02'W "DT"  
P 222 BL4 H36(ASP) (S15)  
FUEL- (NC-C1A1)  
COMMUNICATIONS-(UNICOM 122.8)

SKETCH L-17  
(JAS)

The "VFR Supplement" listing for Jasper County, Texas Airport is shown above. Using the legend in the "VFR Supplement," answer the following questions:

1. Type lighting is \_\_\_\_\_.
2. Type runway: \_\_\_\_\_ . Length: \_\_\_\_\_.
3. Octane fuel: \_\_\_\_\_ and \_\_\_\_\_.
4. Is military base fuel supply available? \_\_\_\_ Yes. \_\_\_\_ No.
5. On what low altitude enroute chart would you find Jasper County Airport? \_\_\_\_\_.

17a.

Answer: Section II

was going to cross international boundaries

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68a.

- Answer: 1. BL 4 - rotating beacon, runway or strip  
2. hard-surfaced, 3,600 feet  
3. 80/87, 100/130  
4. ✓ No.  
5. L-17



18a.

Answer: "Meteorological Data"

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69a.

Answer: 3 NM SW



Scheduled weather broadcasts are made by all Flight Service stations having voice facilities on continuously operated radio navigation aids. The "airway" broadcast is made at \_\_\_\_\_ past the hour. At 15 minutes past the hour, an " \_\_\_\_\_ " broadcast is made consisting of reports from stations within approximately \_\_\_\_\_ miles of the broadcasting station.

Often city names and airport names are different. The aerodrome directory listings are by the name of the airport. The "VFR Supplement" contains a "City/Aerodrome Cross Reference Listing." What airports are listed for Athens, Texas? \_\_\_\_\_ and \_\_\_\_\_

**CITY/AERODROME CROSS REFERENCE LISTING 477**

**CITY/AERODROME CROSS REFERENCE LISTING**

Listings of aerodromes in the Aerodrome Facility Directory are by aerodrome name. The following city/aerodrome cross reference provides alphabetical listings by city to cover those specific instances where the two names differ, and where the city name is not the first part of the aerodrome name. City and state or country names are in capitals and lower case; aerodrome names are in all capitals.

- Atlanta, Ga. CLAYTON
- Atchison, Kans. AMELIA EARHART
- Athens, Ohio OHIO UNIVERSITY
- Athens, Tenn. MC MINN CO
- Athens, Tex. GLAD OAKS
- Athens, Tex. JONES MUNI
- Atkinson, Nebr. O2 RANCH
- Atkinson, Nebr. STAR RANCH
- Atlanta, Ga. DE KALB - PEACHTREE
- Atlanta, Ga. FULTON CO
- Atlanta, Ida. GRAHAM
- Atomic City, Ida. BIG SOUTHERN
- BUTTE EMERG STRIP
- Atomic City, Ida. COX'S WELL EMERG
- TRIP

19a.

Answer: 45

area

150 statute

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70a.

Answer: Jones Municipal

Glad Oaks

If you are reading a teletypewriter weather report and see several letters that you are not certain about, you would find their meaning in section II. If you saw ZL F coded in the teletype weather report, it would mean \_\_\_\_\_.

As in all FLIP publications, the "VFR Supplement" contains a "Special Notices" section. You should always check the "Special Notices" section and be especially watchful for any \_\_\_\_\_.

20a.

**Answer: freezing drizzle and fog**

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71a.

**Answer: new FLIP features**

In-flight weather advisory procedures are described in Section II, "Meteorological Data." The two types of advisories issued are designated as \_\_\_\_\_ and \_\_\_\_\_. The most hazardous weather conditions are included in the \_\_\_\_\_.

As with the "IFR Supplement," located on the back cover of the "VFR Supplement," you will find information about \_\_\_\_\_.

21a.

Answer: SIGMETS

AIRMETS

SIGMETS

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72a.

Answer: position reports

Section II of FLIP also covers VOR receiver checkpoints. The three type facilities available for operational checks of airborne VOR equipment are—

1. \_\_\_\_\_.
  2. \_\_\_\_\_.
  3. \_\_\_\_\_.
- 

DOD FLIP (terminal) booklets are published for low altitude instrument approach procedures. A special USAAVNS printing of selected approach charts has been prepared for classroom use only and should accompany this program. Refer to your copy of the "Ground School Approach Charts Booklet." General information and legend data have been reproduced in this booklet. The index map on the back cover shows that the United States is covered by \_\_\_\_\_ separate approach charts booklets. According to the map, instrument approach charts for Cairns AAF, Alabama, would be found in Volume \_\_\_\_\_; and instrument approach at Hunter AAF, Savannah, Georgia, would be in Volume \_\_\_\_\_.

22a.

Answer: VOR test facility (VOT)

Certified airborne checkpoints (air checks)

Certified checkpoints on the airport surface (ground checks)

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73a.

Answer: nine

6

9

The tolerances permitted for each of the following VOR receiver checks are—

<u>TYPE</u>	<u>TOLERANCES</u>
1. VOT	_____
2. Airborne	_____
3. Ground	_____

Following the legend and general information data in the Approach Charts Booklet, you find some very important information (page VII) concerning \_\_\_\_\_ minimums.

Any airfield listed on page VII of the approach procedures booklet—

(Check One)

\_\_\_\_\_ Is not authorized for use by Army aircraft as an IFR alternate.

\_\_\_\_\_ Has abnormal (higher) alternate airport minimums.

\_\_\_\_\_ May be in either category above as indicated on page VII.

23a.

Answer: 1.  $\pm 4^\circ$

2.  $\pm 6^\circ$

3.  $\pm 4^\circ$

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74a.

Answer: IFR alternate

✓ May be in either category above as indicated on page VII.

FRAME 24

While making a VOT receiver check, if you set the course selector to  $0^{\circ}$ , you should obtain a \_\_\_\_\_ indication with a \_\_\_\_\_ needle.

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FRAME 75

In each booklet, on page x, is a section covering \_\_\_\_\_

\_\_\_\_\_ and \_\_\_\_\_

24a.

Answer: FROM

centered

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75a.

Answer: Special Notices

low altitude-instrument approach procedures

Following the "VOR Receiver Check Points" in Section II, we find information covering \_\_\_\_\_.

If you are filing an IFR flight plan from Montgomery, Alabama, to Washington, D.C., the preferred route you should request is \_\_\_\_\_.

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Within the "Special Notices" section, information is provided concerning \_\_\_\_\_ format.

Published approach charts in the past, used an older format; however, as charts are revised, the approved approach procedures will be published according to the US Standard for Terminal Instrument Procedures, \_\_\_\_\_ format.  
(abbreviation)

25a.

Answer: Enroute Preferred Routes

Tuskegee VOR, V-56 Augusta VORTAC, V-155, V-157,  
Ironsides Intersection (Note: This route requires the use  
of charts L-18, L-20, and L-22.)

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76a.

Answer: Landing Minima

TERP's

Probably, the most referred to block of information in Section II is the subsection on pilot procedures. This information is further subdivided into sections covering—(Table of Contents on cover.)

- I -
- II -
- III -
- IV -
- V -

In your copy of the "Ground School Approach Charts Booklet," locate the first approach for Cairns AAF. In the upper right corner of each approach chart is the name and location of the airport. In the upper left, the type of approach is shown. List all different types of approaches shown for Cairns AAF. NOTE: One type on each page.

- 1. \_\_\_\_\_ .                      4. \_\_\_\_\_ .
- 2. \_\_\_\_\_ .                      5. \_\_\_\_\_ .
- 3. \_\_\_\_\_ .

26a.

Answer: Pre-Flight

Departure

Enroute

Arrival

Supplementary Information

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77a.

Answer: 1. NDB (ADF) 1 RWY 6

2. NDB (ADF) 2 RWY 6

3. ILS RWY 6

4. VOR RWY 6

5. VOR RWY 24

The majority of the information in the "Pre-Flight" section under "Pilot Procedures" deals with \_\_\_\_\_.

In your future training on ADF, VOR, and ILS, you will learn more about the various types of instrument approaches and have the opportunity for some practical work with instrument approach charts. The purpose of introducing them in this program is to show you where they are located in FLIP. If you should later have difficulty reading the approach charts, you should consult the \_\_\_\_\_ which is located \_\_\_\_\_.

27a.

Answer: flight plans (DD Form 175)

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78a.

Answer: legend

inside the front cover of each volume of approach charts

Although local SOP may require a longer period, the pilot procedures included in FLIP, Section II, require that IFR flight plans be filed at least \_\_\_\_\_ minutes prior to estimated time of departure.

In addition to the legend inside the front cover, additional legend information is inside the back cover of the approach charts booklet.

What kind of information does it contain? \_\_\_\_\_  
\_\_\_\_\_

28a.

Answer: 30

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79a.

Answer: Approach lighting systems - US

When a flight is assigned a clearance limit short of destination, ATC is required to issue holding information or authorize flight beyond it, at least \_\_\_\_\_ minutes before the aircraft is estimated to reach the clearance limit.

Look at the airport sketch in the lower right corner of one of the Cairns AAF approach charts. At the approach end of Runway 6, you will see a letter designation of the type of approach lighting system. According to the legend, the type of approach lighting at Cairns AAF is \_\_\_\_\_.

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29a.

Answer: 5

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80a.

Answer: (B) U.S. Configuration (B)

Pilot procedures for closing of flight plans prohibit aviators from closing flight plans with a control tower.      True.      False.

**REVIEW**

As a final review, by each type of information below, indicate which part of FLIP in which it can be found. NOTE: Some FLIP sections may be used more than once below. Also some information is found in more than one place.

FLIP

1. Planning, Section I.
2. Planning, Section II.
3. Enroute charts.
4. "IFR Supplement."
5. "VFR Supplement."
6. Aerodrome sketches.
7. Instrument approach procedures.

INFORMATION

- a.      Airway data.
- b.      ATC procedures (pilot procedures).
- c.      Teletype weather reports.
- d.      Navigation facility (radio aid).
- e.      NOTAM code.
- f.      Airport name for Syracuse, New York.
- g.      VOR approach for Brookley AFB, Ala.
- h.      Position report information.

30a.

Answer: ✓ False.

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81a.

Answer: 3 Airway data.

2,4 ATC procedures (pilot procedures).

2 Teletype weather reports.

3,4 Navigation facility (radio aid).

1 NOTAM code.

5 Airport name for Syracuse, New York.

7 VOR approach for Brookley AFB.

2,4,5 Position reports information.

The last few frames have shown a sample of the type of information you may need to know for IFR cross-country flight. Much of the information contained in the section on pilot procedures will be discussed in other classes and programed texts. Since it is difficult to remember all pilot procedures and they occasionally change, you should develop the habit of \_\_\_\_\_

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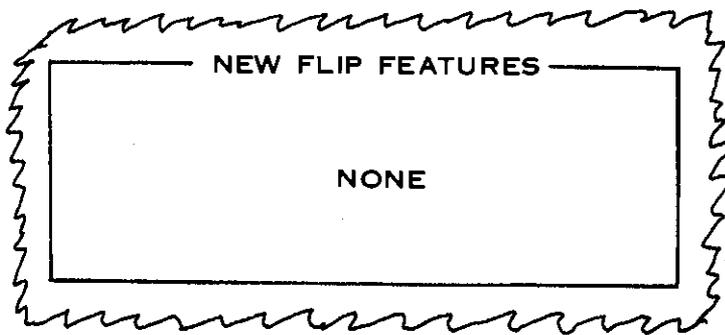
This completes the introductory instruction on the use of the FLIP. Although the program has provided an overview of the FLIP system and some examples of the contents of each part, it has not developed your proficiency in using the publications. You must use them to become proficient. To assist you in doing this, there are questions on the following pages which require you to use various parts of FLIP. If you are attending a regular course at USAAVNS, do NOT complete the exercise unless told to by your instructor, since you will be using FLIP in subsequent classes. Other users of this program are encouraged to complete the exercise using a current set of FLIP. Answers are not provided since the data are subject to change.

31a.

Answer: checking the latest issue of Section II, "Pilot Procedures,"  
for any changes that may have been made (or words to  
the same effect)

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Additional information normally found in Section II, but not included in the classroom extract deals with designated mountainous areas and Special Notices. Found under "Special Notices and Procedures" is a section covering \_\_\_\_\_.



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Using the flight planning book, Sections I and II, and Supplements, answer the following questions:

1. What means would be used to show minor revisions of individual sections when revisions occur between normal publication cycles?
2. What is the publication cycle of the FLIP enroute low altitude charts?
3. Define the following abbreviations:
  - a. ARTCC.
  - b. RAPCON.
  - c. LOM.
  - d. PAR.
  - e. MAA.

32a.

Answer: new FLIP features

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Before using a FLIP publication, pilots should always check the "Special Notices" section for any \_\_\_\_\_ .

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4. Decode the following NOTAM: TLH QUNAZ 011600 - 012200.
  5. An aviator stationed in Southeast Asia would expect to use which FLIP coverage?
  6. In addition to the lateral and vertical restrictions shown on enroute charts, restricted areas are further defined by \_\_\_\_\_ .

33a.

Answer: new FLIP features

