

# Aero Center / Map Practice Test (Sample)

## Study Guide



**Everything you need from our exam experts!**

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# Introduction

Preparing for a certification exam can feel overwhelming, but with the right tools, it becomes an opportunity to build confidence, sharpen your skills, and move one step closer to your goals. At Examzify, we believe that effective exam preparation isn't just about memorization, it's about understanding the material, identifying knowledge gaps, and building the test-taking strategies that lead to success.

This guide was designed to help you do exactly that.

Whether you're preparing for a licensing exam, professional certification, or entry-level qualification, this book offers structured practice to reinforce key concepts. You'll find a wide range of multiple-choice questions, each followed by clear explanations to help you understand not just the right answer, but why it's correct.

The content in this guide is based on real-world exam objectives and aligned with the types of questions and topics commonly found on official tests. It's ideal for learners who want to:

- Practice answering questions under realistic conditions,
- Improve accuracy and speed,
- Review explanations to strengthen weak areas, and
- Approach the exam with greater confidence.

We recommend using this book not as a stand-alone study tool, but alongside other resources like flashcards, textbooks, or hands-on training. For best results, we recommend working through each question, reflecting on the explanation provided, and revisiting the topics that challenge you most.

**Remember:** successful test preparation isn't about getting every question right the first time, it's about learning from your mistakes and improving over time. Stay focused, trust the process, and know that every page you turn brings you closer to success.

Let's begin.

# How to Use This Guide

**This guide is designed to help you study more effectively and approach your exam with confidence. Whether you're reviewing for the first time or doing a final refresh, here's how to get the most out of your Examzify study guide:**

## **1. Start with a Diagnostic Review**

**Skim through the questions to get a sense of what you know and what you need to focus on. Your goal is to identify knowledge gaps early.**

## **2. Study in Short, Focused Sessions**

**Break your study time into manageable blocks (e.g. 30 - 45 minutes). Review a handful of questions, reflect on the explanations.**

## **3. Learn from the Explanations**

**After answering a question, always read the explanation, even if you got it right. It reinforces key points, corrects misunderstandings, and teaches subtle distinctions between similar answers.**

## **4. Track Your Progress**

**Use bookmarks or notes (if reading digitally) to mark difficult questions. Revisit these regularly and track improvements over time.**

## **5. Simulate the Real Exam**

**Once you're comfortable, try taking a full set of questions without pausing. Set a timer and simulate test-day conditions to build confidence and time management skills.**

## **6. Repeat and Review**

**Don't just study once, repetition builds retention. Re-attempt questions after a few days and revisit explanations to reinforce learning. Pair this guide with other Examzify tools like flashcards, and digital practice tests to strengthen your preparation across formats.**

**There's no single right way to study, but consistent, thoughtful effort always wins. Use this guide flexibly, adapt the tips above to fit your pace and learning style. You've got this!**

## Questions

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- 1. The VORTAC with the identifier IGB is named what?**
  - A. Magnolia (MHZ)**
  - B. Sidon (SQS)**
  - C. Meridian (MEI)**
  - D. Bigbee (IGB)**
  
- 2. Which airport has the code 0M8?**
  - A. Vicksburg**
  - B. Greenwood**
  - C. Byerley**
  - D. Tallulah**
  
- 3. What is the distance from Greenville to Sidon?**
  - A. 36 miles**
  - B. 48 miles**
  - C. 26 miles**
  - D. 102 miles**
  
- 4. Which distance equals 92 miles?**
  - A. McComb to Magnolia via V555**
  - B. Sidon to Holly Springs via V535**
  - C. Monroe to Dorts**
  - D. Monroe to Magnolia via V417**
  
- 5. KVKS is the Vicksburg airport.**
  - A. Hawkins Field**
  - B. KGWO**
  - C. KJAN**
  - D. Vicksburg**
  
- 6. Jackson airport is between airways which pair?**
  - A. V9 and V557**
  - B. V11 and V555**
  - C. V245 and V557**
  - D. V417 and V245**

**7. Which intersection is a compulsory reporting point?**

- A. STUEE**
- B. DINKY**
- C. HEDUD**
- D. BARNEY**

**8. Greenwood airport is 10 miles from which VORTAC?**

- A. Sidon VORTAC**
- B. Magnolia VORTAC**
- C. Vicksburg VORTAC**
- D. Tallulah VORTAC**

**9. What is the distance from Magnolia to Mizze?**

- A. 58 miles**
- B. 41 miles**
- C. 74 miles**
- D. 95 miles**

**10. Which pair is 23 miles apart?**

- A. Monroe and Stuee**
- B. Greenville and Magnolia**
- C. Hedud and Magnolia**
- D. Dinky and Hedud**

## Answers

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1. D
2. C
3. A
4. B
5. D
6. B
7. A
8. A
9. A
10. C

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## **Explanations**

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**1. The VORTAC with the identifier IGB is named what?**

- A. Magnolia (MHZ)**
- B. Sidon (SQS)**
- C. Meridian (MEI)**
- D. Bigbee (IGB)**

In navigation charts, a VORTAC's three-letter identifier is tied to the facility's actual name. The tag IGB is assigned to the Bigbee VORTAC, so the VORTAC with identifier IGB is named Bigbee. The other names correspond to different facilities with their own identifiers (Magnolia with MHZ, Sidon with SQS, Meridian with MEI), not to IGB.

**2. Which airport has the code 0M8?**

- A. Vicksburg**
- B. Greenwood**
- C. Byerley**
- D. Tallulah**

In U.S. aviation, small airports often use FAA location identifiers that can start with a digit, not just three-letter IATA codes. The code 0M8 is one of those alphanumeric FAA identifiers and specifically identifies Byerley Airport. These numeric-start codes appear on flight plans and charts to uniquely reference smaller fields. The other towns listed have different identifiers in the FAA/IATA system, so they don't match 0M8.

**3. What is the distance from Greenville to Sidon?**

- A. 36 miles**
- B. 48 miles**
- C. 26 miles**
- D. 102 miles**

Distances on a map come from measuring the distance between two places on the map and then converting that measurement using the map's scale. The map's scale tells you how many miles correspond to a given length on the map. When you apply that conversion to the Greenville-Sidon line, the resulting real-world distance is 36 miles. That's why this choice is the one that matches the map's scale and the measured line. If the measured map distance were longer or the scale different, you'd get the other numbers, but with this map setup the distance aligns with 36 miles.

#### 4. Which distance equals 92 miles?

- A. McComb to Magnolia via V555
- B. Sidon to Holly Springs via V535**
- C. Monroe to Dorts
- D. Monroe to Magnolia via V417

Reading the published mileages along enroute airways is how you determine leg distances. Each segment between navigation fixes on an airway has a published mileage, which is the distance planned for that leg. In this case, the leg from Sidon to Holly Springs along that airway has a published distance of 92 miles. That means the segment distance used for flight planning is 92 miles, which is why this option is the correct choice. The other route segments correspond to different published mileages, so their distances do not equal 92 miles. This approach keeps you from relying on straight-line city-to-city distances and uses the charted airway distances pilots actually use for planning.

#### 5. KVKS is the Vicksburg airport.

- A. Hawkins Field
- B. KGWO
- C. KJAN
- D. Vicksburg**

In the United States, ICAO airport codes start with a K and are built from the airport's IATA code. If the IATA code for an airport is VKS, then the ICAO code becomes KVKS. So KVKS identifies the Vicksburg airport because its IATA code is VKS, which is assigned to Vicksburg. The other options don't share that IATA code for Vicksburg, so they aren't the Vicksburg airport.

#### 6. Jackson airport is between airways which pair?

- A. V9 and V557
- B. V11 and V555**
- C. V245 and V557
- D. V417 and V245

In IFR navigation, airways are defined routes between VORs, and an airport can sit in the gap between two parallel or nearby airways. When a field lies between two such routes, you see one airway on one side and the other on the opposite side on the enroute chart, forming a corridor the aircraft would travel through. For Jackson, the chart shows V11 on one side of the field and V555 on the other, placing the airport between those two airways. This is why that pair is the correct choice: the field sits between them as you'd see it laid out on the airway map. The other pairs don't sandwich the airport on the chart—those routes don't flank the field in the same way, so they aren't a pair that places the airport between them.

**7. Which intersection is a compulsory reporting point?**

- A. STUEE**
- B. DINKY**
- C. HEDUD**
- D. BARNEY**

Compulsory reporting points are fixes along an IFR route where ATC requires you to report your position as you cross them. They exist so ATC can closely monitor your progress and ensure separation from other aircraft. STUEE is designated on the chart as a compulsory reporting point, so crossing it obligates you to make a position report to ATC. The other intersections—DINKY, HEDUD, and BARNEY—are ordinary intersections along the route and do not carry the mandatory reporting requirement by themselves, so you wouldn't have to report crossing them unless ATC specifically asks you to.

**8. Greenwood airport is 10 miles from which VORTAC?**

- A. Sidon VORTAC**
- B. Magnolia VORTAC**
- C. Vicksburg VORTAC**
- D. Tallulah VORTAC**

To identify which VORTAC is about 10 miles from Greenwood, you read the chart by looking at the airport and nearby VORTACs and compare their positions. The VORTAC that sits closest to Greenwood airport—about ten miles away on the map—is the one the question refers to. The Sidon VORTAC is the nearest to Greenwood, roughly ten miles from the field, which is why it's the correct choice. The Magnolia, Vicksburg, and Tallulah VORTACs are farther away on the chart, so they don't match the 10-mile proximity described. This kind of question tests your ability to use the chart to gauge distances and identify which navigation aid sits nearest to a given airport.

**9. What is the distance from Magnolia to Mizze?**

- A. 58 miles**
- B. 41 miles**
- C. 74 miles**
- D. 95 miles**

Distances on a map are found by using the map's scale. You measure the straight-line distance between Magnolia and Mizze on the map, then convert that measurement into real miles with the scale. For example, if the scale is 1 inch equals 10 miles and the measured distance on the map is 5.8 inches, the real distance is  $5.8 \times 10 = 58$  miles. The important idea is applying the scale to turn map inches into miles. If the problem asked for driving distance, you'd use road distance instead, which can differ from the straight-line distance. The other numbers would come from different measured map distances or a different scale (e.g., 4.1 inches would be 41 miles, 7.4 inches would be 74 miles, etc.).

**10. Which pair is 23 miles apart?**

- A. Monroe and Stuee**
- B. Greenville and Magnolia**
- C. Hedud and Magnolia**
- D. Dinky and Hedud**

Reading distances on a map using the scale lets you compare how far apart towns are. To see which pair is 23 miles apart, locate Hedud and Magnolia on the map and use the distance scale to measure the straight-line distance between them. If the line between Hedud and Magnolia corresponds to 23 miles on the scale, that pair matches the requirement. The other town pairs show different distances on the same map, so they don't fit the 23-mile mark.

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# Next Steps

**Congratulations on reaching the final section of this guide. You've taken a meaningful step toward passing your certification exam and advancing your career.**

**As you continue preparing, remember that consistent practice, review, and self-reflection are key to success. Make time to revisit difficult topics, simulate exam conditions, and track your progress along the way.**

**If you need help, have suggestions, or want to share feedback, we'd love to hear from you. Reach out to our team at [hello@examzify.com](mailto:hello@examzify.com).**

**Or visit your dedicated course page for more study tools and resources:**

**<https://aerocentermap.examzify.com>**

**We wish you the very best on your exam journey. You've got this!**

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