

AAAE Certified Member (CM) Module 1 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. ASDE-X or surface movement radar systems are used to monitor which of the following?**
 - A. To monitor aircraft and vehicle movement on the airfield and enhance surface safety.**
 - B. To provide radar imagery for meteorological purposes.**
 - C. To forecast weather conditions affecting arrivals.**
 - D. To manage air traffic control communications for en route flight.**

- 2. In airport property development, which step is the first?**
 - A. Assess**
 - B. Market Analysis**
 - C. Develop a Pro Forma**
 - D. Construction Phase**

- 3. Which methods are used to measure airport customer satisfaction?**
 - A. Passenger surveys, feedback channels, service metrics, and complaint tracking.**
 - B. On-time performance statistics and baggage handling times.**
 - C. Employee satisfaction surveys and internal audits.**
 - D. Revenue per passenger and concession sales.**

- 4. What is a through the fence agreement?**
 - A. It is strictly prohibited**
 - B. It is not prohibited but strongly discouraged; occurs when a user is adjacent to the airport and accesses it to escape full revenue share**
 - C. It requires a special permit**
 - D. It is permitted for all adjacent users**

- 5. Signatory carriers make a major investment determined by which entity?**
 - A. Airports Owner (AO)**
 - B. Federal Aviation Administration**
 - C. The concessionaire**
 - D. The airline alliance**

- 6. What is the role of the TSA in airport security?**
- A. Oversees flight scheduling and gate assignments.**
 - B. Maintains runways and taxiways.**
 - C. Regulates and implements security screening, procedures, and access controls.**
 - D. Develops air traffic control weather broadcasts.**
- 7. According to the significance list, 2,500 corresponds to which category?**
- A. Commercial Service Airport**
 - B. GA Airport**
 - C. Primary Commercial Service Airport**
 - D. Public Use in NPIAS**
- 8. ASDE-X, or surface movement radar systems, enhance surface safety by monitoring what?**
- A. To regulate weather data dissemination to pilots.**
 - B. To control civilian drone traffic.**
 - C. To provide precipitation radar coverage for the airfield.**
 - D. To enhance surface safety by monitoring movement of aircraft and vehicles on the airfield.**
- 9. The acronym AIP stands for which program?**
- A. Airport Improvement Program**
 - B. Aviation Infrastructure Program**
 - C. Airspace Improvement Plan**
 - D. Aircraft Investment Program**
- 10. Regular inspections and preventive maintenance for runways and taxiways serve to maintain what?**
- A. Relocating runways to another city.**
 - B. Increasing flights during peak hours.**
 - C. Regular inspections and preventive maintenance.**
 - D. Eliminating maintenance to save costs.**

Answers

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

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Explanations

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1. ASDE-X or surface movement radar systems are used to monitor which of the following?

A. To monitor aircraft and vehicle movement on the airfield and enhance surface safety.

B. To provide radar imagery for meteorological purposes.

C. To forecast weather conditions affecting arrivals.

D. To manage air traffic control communications for en route flight.

ASDE-X is all about ground surveillance to keep the airport surface safe. It uses surface movement radar to track every aircraft and vehicle as they taxi on runways and taxiways, giving air traffic controllers a real-time map of who's where on the airfield. This helps prevent collisions and runway incursions and improves coordination during ground operations. It isn't designed for meteorological imagery or weather forecasting, nor for managing en route air traffic communications, which are separate functions from surface movement surveillance.

2. In airport property development, which step is the first?

A. Assess

B. Market Analysis

C. Develop a Pro Forma

D. Construction Phase

Starting point is to assess the project. This initial step establishes the baseline by clarifying objectives, evaluating site conditions, regulatory and environmental constraints, security considerations, and stakeholder needs. It also gauges overall feasibility and identifies risks and opportunities. Having this foundational understanding is essential because it informs what kind of market demand to expect, what costs and financing may be realistic, and what constraints must be addressed in the plan. Market analysis comes after because it needs the context created by the assessment—data on demand, competition, pricing, and timing to determine how appealing and viable the project is. Developing a pro forma relies on the market outlook plus estimated costs and financing terms to project financial performance, cash flow, and returns. Without the assessment and market inputs, the pro forma would be guesswork rather than a grounded financial model. Construction phase occurs later, after the plan has been validated, approvals secured, and financing arranged. It is the execution stage, not the starting point. So, assessing first ensures you have the necessary information to make informed market, financial, and implementation decisions.

3. Which methods are used to measure airport customer satisfaction?

- A. Passenger surveys, feedback channels, service metrics, and complaint tracking.**
- B. On-time performance statistics and baggage handling times.**
- C. Employee satisfaction surveys and internal audits.**
- D. Revenue per passenger and concession sales.**

Measuring airport customer satisfaction involves collecting direct passenger feedback and tracking how well services perform. Using passenger surveys captures how travelers perceive their experience. Feedback channels—such as kiosks, mobile apps, email, and social media—provide ongoing input beyond formal surveys. Service metrics translate experiences into observable indicators like wait times, queue lengths, cleanliness, signage clarity, and staff courtesy, giving objective measures of how well the airport is delivering. Complaint tracking collects and analyzes issues reported by passengers to identify recurring problems and drive improvements. Together, these elements provide a comprehensive picture of satisfaction from the passenger perspective. Other approaches focus on operational performance (like on-time performance and baggage handling times), internal factors (like employee satisfaction and audits), or financial results (like revenue per passenger and concession sales). While related, they don't directly measure how satisfied passengers are with their airport experience.

4. What is a through the fence agreement?

- A. It is strictly prohibited**
- B. It is not prohibited but strongly discouraged; occurs when a user is adjacent to the airport and accesses it to escape full revenue share**
- C. It requires a special permit**
- D. It is permitted for all adjacent users**

A through-the-fence arrangement is when an entity located outside the airport boundary gains access to the airport's facilities through the fence, typically to operate or use airside access in a way that lets them avoid paying the full revenue share to the airport. This is usually not strictly prohibited but is strongly discouraged because it raises security, safety, and revenue-control concerns. In practice, such access is only acceptable under a formal agreement or permit with the airport, and it applies to adjacent users rather than everyone nearby.

5. Signatory carriers make a major investment determined by which entity?

- A. Airports Owner (AO)**
- B. Federal Aviation Administration**
- C. The concessionaire**
- D. The airline alliance**

Major capital investments in airport facilities are driven by the airport owner. The owner has the authority to approve and fund the airport's long-term capital plan, since they own the assets and control the financing for major projects like terminal expansions or new gates. Signatory carriers participate through use agreements and can influence planning, but they don't unilaterally decide on large investments. The FAA sets safety and regulatory standards, not funding or project approval. The concessionaire handles specific operations like concessions and may propose improvements, but final decisions on major investments come from the airport owner. Airline alliances are networks for cooperation, not investment decision-makers.

6. What is the role of the TSA in airport security?

- A. Oversees flight scheduling and gate assignments.**
- B. Maintains runways and taxiways.**
- C. Regulates and implements security screening, procedures, and access controls.**
- D. Develops air traffic control weather broadcasts.**

The role being tested is understanding what TSA is responsible for in airport security: regulating and implementing the security screening, procedures, and access controls that protect passengers, employees, and the traveling public. After 9/11, TSA took over the security framework at airports, developing and enforcing screening rules for people and their belongings, operating or overseeing screening at security checkpoints, and ensuring that restricted areas are protected through proper access controls and identity verification. They also set standards for how screenings are conducted, oversee program components like vetting and threat assessments, and coordinate with airports and airlines to maintain consistent security practices. This focus on screening and access control distinguishes TSA from roles like flight scheduling, runway maintenance, or weather broadcasts for air traffic control, which are handled by other entities.

7. According to the significance list, 2,500 corresponds to which category?

- A. Commercial Service Airport**
- B. GA Airport**
- C. Primary Commercial Service Airport**
- D. Public Use in NPIAS**

Airports are sorted by how much passenger activity they handle. The significance list uses a threshold of 2,500 annual passenger enplanements to separate General Aviation airports from Commercial Service airports. If an airport has 2,500 or more enplaned passengers in a year, it falls into the Commercial Service category. Within that, a Primary Commercial Service airport is further defined as having 10,000 or more enplanements. Public Use in NPIAS is a separate designation related to listing in the plan, not the threshold for this category. So, 2,500 corresponds to Commercial Service Airport.

8. ASDE-X, or surface movement radar systems, enhance surface safety by monitoring what?

- A. To regulate weather data dissemination to pilots.**
- B. To control civilian drone traffic.**
- C. To provide precipitation radar coverage for the airfield.**
- D. To enhance surface safety by monitoring movement of aircraft and vehicles on the airfield.**

ASDE-X is all about giving air traffic control a real-time view of what's happening on the airport surface. It uses radar and other sensors to track the precise positions of every aircraft and ground vehicle as they move on runways and taxiways, even in challenging visibility. This continuous surface surveillance helps controllers keep safe separations, prevent runway incursions, and coordinate movements during taxiing and pushback. The other options don't fit this purpose. Weather data dissemination and precipitation radar are about atmospheric conditions and weather coverage, not tracking ground movement. Drone traffic control is a different domain with its own systems. So the best fit is monitoring the movement of aircraft and vehicles on the airfield.

9. The acronym AIP stands for which program?

- A. Airport Improvement Program**
- B. Aviation Infrastructure Program**
- C. Airspace Improvement Plan**
- D. Aircraft Investment Program**

AIP stands for Airport Improvement Program, a U.S. Federal Aviation Administration program that provides federal grants for the planning and development of public-use airports. It funds projects that enhance safety, capacity, security, and environmental compatibility within the national air transportation system, and is administered by the FAA with funding from the Airport and Airway Trust Fund as part of the National Plan of Integrated Airport Systems. The other names listed don't correspond to an official FAA program, so they wouldn't be the correct designation for AIP.

10. Regular inspections and preventive maintenance for runways and taxiways serve to maintain what?

- A. Relocating runways to another city.**
- B. Increasing flights during peak hours.**
- C. Regular inspections and preventive maintenance.**
- D. Eliminating maintenance to save costs.**

Regular inspections and preventive maintenance for runways and taxiways are all about keeping the airfield safe and usable. By routinely checking surfaces, engineers look for cracks, spalling, pavement deformation, drainage issues, and worn or damaged markings and lighting. Preventive maintenance Then acts on these findings before small problems become big hazards—sealing cracks, patching and resurfacing sections, fixing drainage, restoring friction, and replacing lights or signs as needed. This approach reduces the risk of accidents, minimizes unexpected closures, and keeps operations running smoothly. Relocating runways would be a massive, unrelated project driven by different goals like city planning or geography. Increasing flights during peak hours is about scheduling and capacity, not about maintaining the physical infrastructure. Eliminating maintenance would undermine safety and reliability, which is exactly what regular inspections and preventive maintenance protect against.

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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.

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

<https://aaaecmmodule1.examzify.com>

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

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