



## Test Overview

- ✓ **Mission Type:** Full EMS mission with multiple phases
  - ✓ **Estimated Duration:** 30 - 60 minutes
  - ✓ **Grading Criteria:** Flight control, emergency response, ATC communication, decision-making
  - ✓ **Passing Requirements:** Complete all mission objectives with minimal errors
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## Mission Briefing – Mass Casualty Incident Response

### Scenario:

A **major accident** has occurred in a remote location. Multiple injured patients require **urgent medical evacuation**. You will be responsible for responding to the scene, coordinating with EMS teams, and transporting the most critical patients to a hospital as quickly as possible.

You will face **unexpected challenges** along the way, including potential mid-flight emergencies and last-minute changes in the mission. Your ability to react, communicate, and fly with precision will determine your success.

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## Phase 1: Departure & Response

### Your Mission:

- 1 Begin at your designated EMS base airport or helipad.
- 2 Receive mission details from ATC or your trainer.
- 3 Request **priority departure** using correct ATC phraseology.
- 4 Take off and **navigate to the accident site** using proper flight planning.

### ✓ You will pass this phase if:

- ✓ You take off quickly and efficiently.
- ✓ You communicate clearly with ATC.
- ✓ You follow the correct flight path to the scene.



### You may fail this phase if:

- ✗ You delay departure unnecessarily.
  - ✗ You fail to communicate with ATC properly.
  - ✗ You navigate off-course or lose situational awareness.
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## Phase 2: Mid-Flight Emergency

### **Unexpected Emergency Event:**

Midway to the accident site, you will experience a **simulated emergency**. Your trainer will assign one of the following:

- 1 **Engine Failure** – You must glide to a safe landing or attempt a recovery.
- 2 **Severe Weather** – You will need to adjust altitude, heading, or possibly divert.
- 3 **Instrument Failure** – You will need to navigate using alternate methods.

### **Your Task:**

- Recognize the emergency quickly.
- Communicate with ATC using correct emergency phraseology.
- Take **appropriate action** to ensure safety.

### **You will pass this phase if:**

- ✓ You react quickly and follow correct emergency procedures.
- ✓ You communicate the emergency clearly.
- ✓ You make a safe decision about continuing or diverting.

### **You may fail this phase if:**

- ✗ You ignore or mishandle the emergency.
  - ✗ You fail to communicate properly.
  - ✗ You lose control of the aircraft.
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## **Phase 3: Arrival & On-Site Rescue Operations**

### **Landing at the Scene:**

- 1 Identify the **best landing site** (field, road, open terrain, or helipad).
- 2 Execute a **safe landing** as close as possible to the accident site.
- 3 Coordinate with ground EMS teams and **simulate patient loading**.

### **You will pass this phase if:**

- ✓ You land safely and efficiently.
- ✓ You communicate with ground EMS teams.
- ✓ You complete patient loading without unnecessary delays.

### **You may fail this phase if:**

- ✗ You choose an unsafe landing site.
  - ✗ You fail to coordinate with ground EMS.
  - ✗ You take off without securing patient transport.
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## **Phase 4: Patient Transport to Hospital**

### **Transporting Patients:**

- 1 Take off and **navigate directly to the nearest hospital**.
- 2 Request **priority landing clearance** due to emergency transport.
- 3 Land at the **designated medical facility** (airport or helipad).
- 4 Coordinate **safe patient transfer** to ground EMS.

### **You will pass this phase if:**

- ✓ You fly a direct and efficient route to the hospital.
- ✓ You communicate with ATC for priority clearance.
- ✓ You execute a smooth landing and patient transfer.

### **You may fail this phase if:**

- ✗ You delay transport or take an inefficient route.
  - ✗ You fail to communicate with ATC.
  - ✗ You land unsafely or fail to complete the transfer.
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## **Phase 5: Final Emergency Challenge**

### **Last-Minute Emergency Event:**

As you near the end of your mission, you will encounter a final unexpected challenge. Your trainer will choose one of the following:

- 1 **Fuel Emergency** – You must divert due to low fuel.
- 2 **Runway Closure** – ATC will assign you a last-minute alternate landing.
- 3 **Airspace Conflict** – You must avoid unexpected traffic near the hospital.

### **Your Task:**

- Recognize the situation and make a fast decision.
- Communicate clearly with ATC.
- Execute the safest possible landing.

### **You will pass this phase if:**

- ✓ You react quickly and make the correct decision.
- ✓ You communicate the situation properly.
- ✓ You complete the mission safely.

### **You may fail this phase if:**

- ✗ You hesitate or make poor decisions.
- ✗ You ignore ATC instructions.
- ✗ You put the aircraft or patients at risk.



## Final Evaluation & Certification

Your performance will be graded based on:

- ✓ **Flight Control & Precision** – Smooth takeoffs, landings, and handling.
- ✓ **Emergency Response** – Quick and effective decision-making.
- ✓ **ATC Communication** – Clear, realistic EMS communication.
- ✓ **Mission Completion** – Successfully transporting patients with minimal errors.

### Final Certification Levels:

🏆 **Passed with Distinction (90%+)** – Outstanding EMS pilot, mission executed perfectly.

✅ **Passed (75%-89%)** – Meets EMS standards, safe and effective.

⚠️ **Needs Improvement (50%-74%)** – Passed but requires further training.

❌ **Failed (Below 50%)** – Must retake the test due to major errors.



## Final Debriefing & Feedback

At the end of the test, your trainer will review your performance and provide:

- **Strengths & areas for improvement.**
- **Recommendations for additional training if needed.**
- **Your final certification status.**