**EMERGENCY MEDICAL TECHNICIAN (MISSOURI STATE ONLY)**

**PURPOSE**
To evaluate each contestant’s preparation for employment within healthcare and to recognize outstanding students for clinical excellence and professionalism within the field of emergency medical services.

First, refer to General Regulations, Page 9.

**CLOTHING REQUIREMENT**
Competitor shall wear standard uniform or unicolor polo and dress pants. Shirts must be tucked in and a belt should be worn. Each team should be matching in appearance. School identification or name pins must be removed or covered during competition.

**ELIGIBILITY**
Open to active SkillsUSA members enrolled in career and technical education programs with emergency medical technician as the occupational objective. **This competition requires a team of two. This contest DOES NOT currently advance to a national event.**

**EQUIPMENT AND MATERIALS**
1. Supplied by the technical committee:
   a. Tables
   b. All written materials
   c. Clinical and/or laboratory station for selected procedures
   d. Holding rooms or areas for competitors
   e. Clinical Scenarios
   f. Supplies for judges to include: pens, pencils, scoring matrices, calculators, stopwatch
   g. Two blankets and a pillow
   h. Event evaluations
   i. Pens and pencils
   j. Oxygen cylinders
   k. Oxygen delivery devices
   l. Suction devices with assorted catheters
   m. Long back boards with CID and straps
   n. Complete set of C-collars
   o. Complete set of padded board splints
   p. 4 x 4 bandages
   q. Self-adhering roller bandages
   r. Medical Tape
   s. Occlusive Dressings
   t. Abdominal dressings
   u. Trauma Dressing
2. Supplied by the contestant:
   a. Pencils and Pen
   b. One-Page Typed Resume
   c. Personal Protective Equipment to include gloves and a pocket mask or other appropriate barrier device
   d. Watch with a second hand
   e. Trauma scissors
   f. Pen light
   g. Stethoscope (one per team)
   h. Blood pressure cuff
   i. Oral and nasal airways
   j. Bag Valve Mask
   k. NOTE: Any other items brought by the contestant will be subject to the approval of the Technical Committee and must be declared at the time of the on-site kit check.

**EMERGENCY MEDICAL TECHNICIAN STATE LEVEL CONTEST COMMITTEE**

**MU Healthcare Prehospital Services**
MU Healthcare is an academic medical center that is a Level 1 Trauma, Stroke, and STEMI Center. The Prehospital Service Line includes Staff 4 Life Air Ambulance Service, a ground ambulance service, Children’s Hospital Specialty Care Transport Team, and a post-secondary EMS Education Program.

**Air Methods**
Air Methods is a national provider of Air Medical Services, additionally, it partners with the MU Staff 4 Life Program as an Alternate Delivery Model Program.
**Scope of the Contest**

The contest will evaluate the contestants’ ability to perform as an Emergency Medical Technician with the National Registry Patient Assessment Technical Scope of Practice Standards (TSOPS) as defined by National Highway Traffic Safety Administration (NHTSA, 2007, p. 24) and the AAOS Emergency Care and Transportation of the Sick and Injured 11th Ed. The event will consist of three rounds of competition for a two person team. Round one is a written, multiple-choice test of knowledge and understanding.

**Knowledge Performance**

Round one of the contest will include a written knowledge exam consisting of multiple choice questions to assess general knowledge of emergency medical technology.

**Skill Performance**

Round two will include TSOPS demonstration at four various skill stations. The top four teams from round two will move on to compete in round three. Round three will consist of two clinical scenarios; one medical and one trauma. The scenario will require the use of critical-thinking skills and demonstration of professionalism.

**Contest Guidelines**

1. Competitors in this event must be active members of SkillsUSA in good standing in the category in which they are registered to compete (High School or College/Postsecondary). Competitors should compete in skill events at the highest level of their training.
2. Round One written competition is available for all eligible contestants.
3. Round Two and Three will consist of two-member teams. Each school will be allowed to send three teams to round two and round three.
4. Round Two is combined team performance at 3 technical skill stations and a professional interview skill station.
5. Round Three is team performance in two clinical scenarios; one medical, and one trauma.
6. Competitors shall report to the site of the event orientation at the time designated. Round one written testing will be open to all eligible competitors. Round two testing will begin immediately after orientation to the hands on portions of the competition (Round 2 and Round 3).
7. Judges will provide information to competitors as directed by the rating sheets. Competitors may ask questions of the judges while performing procedures if the questions relate to victim physiology.
8. In the event of a tie, a third and short scenario that challenges critical thinking and knowledge will be used.

**Standards and Competencies: High School and College**

- Introduction to EMS Systems
- The Wellbeing of the EMT
- Medical/Legal and Ethical Issues
- The Human Body
- Baseline Vital Signs and Sample History
- Lifting and Moving Patients
- Airway Management
- Patient Assessment
- Scene Size-up
- The Initial Assessment
- Focused History and Physical Exam
- Trauma Patients
- Focused History and Physical Exam
- Medical Patients
- Detailed Physical Exam
- On-going Assessment
- Communications
- Documentation
- General Pharmacology
- Respiratory Emergencies

**Committee Identified Academic Skills**

The technical committee has identified that the following academic skills are embedded in this contest.

**Math Skills, Principles and Standards for School Mathematics**

- Use fractions to solve practical problems
- Use proportions and ratios to solve practical problems
- Measure angles
- Find surface area and perimeter of two-dimensional objects

**Science Skills, MCREL Compendium of National Science Standards**

- Plan and conduct a scientific investigation
- Describe basic needs of organisms
- Describe and identify physical changes to matter
- Use knowledge of heat, light and sound energy
- Use knowledge of temperature scales, heat, and heat transfer
- Use knowledge of simple machines, compound machines, powered vehicles, rockets and restraining devices

Language Arts Skills, IRA/NCTE Standards for the English Language Arts (NCTE, 2011)
- Provide information in conversation and in group discussions
- Demonstrate use of such verbal communication skills as word choice, pitch, feeling, tone and voice
- Demonstrate use of such non-verbal communication skills as eye contact, posture, and gestures using interviewing techniques to gain and share information.

REFERENCES


### SAMPLE SCORING RUBRIC

<table>
<thead>
<tr>
<th>Performance Element</th>
<th>Possible Points Awarded</th>
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<tbody>
<tr>
<td>Skill Station 1-Technical Skill</td>
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<tr>
<td>Skill Station 2-Technical Skill</td>
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<tr>
<td>Skill Station 3-Technical Skill</td>
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<td>Skill Station 4-Professional Skill</td>
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<td>Clinical Scenario 2</td>
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<tr>
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<tr>
<td>Total Points</td>
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