



Advanced Emergency Medical Technician (AEMT)

Treatment Protocol Updates

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West Virginia Office of Emergency Medical Services
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Targeted Audience

The Advanced Emergency Medical Technician (AEMT) Rollout is for all Educational Institutions, Advanced Care Technicians (ACT), Medical Command System, and all Emergency Medical Service (EMS) agencies employing current ACT Providers.

Current ACT Providers/Medical Command

**Current
ACT/Medical
Command
System**

WEST VIRGINIA
Department of
**Health & Human
Resources**
BUREAU FOR PUBLIC HEALTH
Office of Emergency Medical Services



West Virginia Office of Emergency Medical Services Certification Policies

ACT Providers/Medical Command System Personnel

1. West Virginia Office of Emergency Medical Services (WVOEMS), has approved 6 Continuing Education Hours towards completion of the following:
 - a. Rollout
 - b. Protocol update
 - c. Scope of practice
 - d. New medication list
2. Current ACT Providers and Medical Command System personnel will be required to complete the Continuing Education Hours prior to **11:59 p.m. March 31, 2020.**
3. Any current ACT Provider who fails to complete the above continuing education will not be permitted to practice.

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AEMT Treatment Protocol Updates

AEMT (Advanced Emergency Medical Technician) Protocol Update

WEST VIRGINIA
Department of
**Health & Human
Resources**
BUREAU FOR PUBLIC HEALTH
Office of Emergency Medical Services



Refresher on Protocol Numbering System

Using the Protocols:

Example:

Chest Pain Protocol 4202

- 4 - Level of Care = Paramedic
- 2 - Category of Care = Cardiac
- 02 - Specific Protocol Number = Chest Pain

Classifications of Levels of Care: (first digit)

- 1000 - CCT
- 2000 - C2-IFT (Interfacility Transport)
- 3000 - C3-IFT (Interfacility Transport Paramedic)
- 4000 - Paramedic
- 5000 - AEMT
- 6000 - EMT

Note: 7, 8 and 9 thousand series are used as follows:

- 7000 - BLS Procedural Protocols
- 8000 - ALS Procedural Protocols
- 9000 - Special Operational Policies and Protocols

Category of Care: (second digit)

- 4100 - Trauma
- 4200 - Cardiac
- 4300 - Respiratory
- 4400 - Pediatrics
- 4500 - Environmental
- 4600 - Medical
- 4700 - Special Healthcare Needs
- 4800 - Open
- 4900 - Special Treatment Protocols

Reemphasis on Special Shading and Icons

WVOEMS Treatment Protocols

Using the Protocols

Special Shading and Icons:

The following shaded boxes with icons indicate that specific contact is required with **Medical Command** (red telephone) or the **Medical Command Physician** (physician) in order to perform specific treatments.

Examples:

Treatment requires consultation with medical command



*Treatment requires consultation or direct contact with
Medical Command Physician*



Special Pediatric Notes:

For the purposes of these protocols, any patient under the age of 12 years will be considered a pediatric patient. Certain patients who are larger or smaller than the norms for their age may require modification of treatment. Providers should consult with Medical Command as needed in making this determination.

5104 Chest Trauma:

- Section B.4 of the ACT Treatment Protocol has been removed regarding 5902 Patient Comfort/Pain Management Protocol.
- Section B.4 of the AEMT Treatment Protocol is replaced with contact Medical Command Physician (MCP).

5109 Traumatic Arrest:

- Section E. of the AEMT Treatment Protocol has removed the term intubated and is replaced with the term King Tube.

5202 Chest Pain Discomfort/Acute Coronary Syndrome:

- Section E. of the ACT Treatment Protocol regarding Morphine Sulfate or Fentanyl (Sublimaze) has been removed.
- Section E. of the AEMT Treatment Protocol has been replaced with treat dysrhythmias according to specific protocols.

5203 Severe Hypertension:

- Section E. of the AEMT Treatment Protocol MCP box has removed the option of administering Morphine Sulfate.

5211 Symptomatic Bradycardia:

- Removed the option of administering Midazolam (Versed) or Fentanyl (Sublimaze) prior to Transcutaneous Pacer.

5213 Right Ventricular AMI:

- Section F.1-2 of the ACT Treatment Protocol is now Section F. in the AEMT Treatment Protocol and only provides the option to contact Medical Command Physician to discuss further treatment.

5300 Respiratory

- No changes made to the AEMT Treatment Protocol.

5401 Pediatric Medical Assessment:

- Section C. has been added to the AEMT Treatment Protocol and states Do Not use a Combitube in patients < 70 lbs. or < 5 feet tall.

5403 Pediatric Seizures:

- Section D.6 of the AEMT Treatment Protocol has been expanded to include the dosage breakdown of Dextrose.
- Section 7. of the ACT Treatment Protocol has been removed relating to Midazolam (Versed) administration and replaced with administering Glucagon per Medical Command in the AEMT Treatment Protocol.

5408 Pediatric Trauma Assessment:

- Section D.7 of the ACT Treatment Protocol related to Pain Management Protocol has been removed.
- Section D.7 of the AEMT Treatment Protocol has been replaced with “notify Medical Command.”

5500 Environmental

- No changes made to the AEMT Treatment Protocol.

5603 Seizures:

- Section D.7 of the ACT Treatment Protocol was removed regarding administration of Midazolam (Versed).
- Section D.7 of the AEMT Treatment Protocol is replaced with “expedite transport and contact MPC.”

5604 Diabetic Emergencies:

- Section E. of the AEMT Treatment Protocol has removed “administration of Thiamine.”

5606 Overdose/Toxic Ingestion/Poisoning:

- Section E.7.c.i of the ACT Treatment Protocol has been removed regarding the option of administering of Midazolam (Versed).

5609 Nausea/Vomiting:

- Section F. has been added to the AEMT Treatment Protocol to include 12 lead “EKG” and transmit as indicated.

5700 Special Needs

- No changes made to the AEMT Treatment Protocol.

5806 Peripherally Inserted Central Catheter (PICC LINE) Access:

- Has been removed from the AEMT Treatment Protocol and no longer within the Scope of Practice.

5900 Special Treatment

5901 Airway Management:

- Section F.1 of the AEMT Treatment Protocol has been replaced with “insert a supra-glottic airway.”
- Section F.2 of the AEMT Treatment Protocol has removed the term endotracheal tube.
- Section G. of the AEMT Treatment Protocol has been replaced with “continue ventilation with 100% oxygen.”
- Section J. of the AEMT Treatment Protocol has been removed regarding ACT 5901 Treatment Protocol, the need for sedation/pain management. This is no longer within the AEMT Scope of Practice.

5900 Special Treatment

5902 Patient Comfort/Pain Management:

- This has been removed from the AEMT Treatment Protocol.

9202 Nerve Agent-Optional:

- Section D.2 has been corrected to read Airway Management Protocol 5901 (not 4901).

Appendix D Assessment Mnemonics

Assessment Mnemonics:

- Under the abbreviation of PERRLA, the term Accommodation was spelled correctly.

AEMT Scope of Practice

AEMT

(Advanced Emergency
Medical Technician)

Scope of Practice

WEST VIRGINIA
Department of



**Health &
Human
Resources**
BUREAU FOR PUBLIC HEALTH
Office of Emergency Medical Services



West Virginia Office of Emergency Medical Services Certification Policies

AEMT Scope of Practice



West Virginia Office of Emergency Medical Services Policies and Procedures

EMS Scope of Practice

Airway, Ventilation, & Oxygenation	AEMT
Airway - esophageal	X
Airway - supraglottic	X
Airway - Nasal	X
Airway - Oral	X
Bag-Valve-Mask	X
BIPAP	
Carbon Monoxide Oximetry	X
CPAP	X
Chest Decompression – Needle	X
Chest Tube Placement	
Chest Tube Monitoring & Management with drainage system	
Chest Tube Monitoring & Management with Heimlich Valve	
Cricoid pressure (Sellick)	X
Cricothyroidotomy – needle	
Cricothyroidotomy – percutaneous, OPTIONAL	
Demand Valve - Manually Triggered Ventilation	X
End-Tidal CO2 Monitoring	X
Gastric Decompression – NG tube (Insertion)	X
Gastric Decompression – NG tube (Monitoring)	X
Head Tilt/Chin Lift	X
Inspiratory Impedance Threshold Device	
Intubation - nasotracheal	
Intubation - orotracheal	
Intubation – digital	
Intubation – lighted stylet or bougie-assisted	
Intubation – Medication Assisted (non-paralytic)	
Intubation – Rapid Sequence	
Intubation – Retrograde	
Jaw-thrust	X
Mouth-to-mask/barrier	X
Mouth-to-mouth/nose/stoma	X
Obstruction (Airway) – direct visual (forceps/laryngoscope)	
Obstruction (Airway) – manual	X
Oxygen Therapy (nasal cannula)	X
Oxygen Therapy (nebulizer)	X
Oxygen Therapy (non-rebreather or simple mask)	X
Oxygen Therapy (Tracheal tube)	X

AEMT Scope of Practice



West Virginia Office of Emergency Medical Services Policies and Procedures

EMS Scope of Practice

Oxygen Therapy (Venturi Mask)	X
PEEP ²	
Pulse Oximetry	X
Suctioning – upper airway (soft & rigid)	X
Suctioning – tracheobronchial	X
Tracheostomy – (management of existing)	X
Transport Ventilator (simple, automated)	
Transport Ventilator (complex)	
Ventilator – chronic home use	
Cardiovascular / Circulation	AEMT
Arterial Line Monitoring	
Blood Product Administration – Initiation	
Blood Product Administration – Monitoring	
Cardiac Monitoring – multi-lead (computer interpreted)	X
Cardiac Monitoring – multi-lead (provider interpreted)	
Cardiac Monitoring – single-lead	X
Cardiopulmonary Resuscitation (CPR)	X
Cardioversion – electrical	X
Carotid Massage	X
Defibrillation – automated/semi-automated	X
Defibrillation – manual	X
Epistaxis – insertion of control device (Rhino, Epistax, etc.)	
Hemorrhage Control – direct pressure	X
Hemorrhage Control – hemostatic agents	X
Hemorrhage Control – tourniquet	X
Swan-Ganz Catheter monitoring	
Therapeutic induced hypothermia (continuing treatment)	
Transcutaneous pacing	X
Transvenous pacing monitoring	
Valsalva/Vagal Maneuver	X
Immobilization	AEMT
Fracture/dislocation reduction of angulated/pulseless extremities	X
Spinal Immobilization – cervical collar	X
Spinal Immobilization – long board	X
Spinal Immobilization – manual	X
Spinal Immobilization – seated patient (KED)	X
Spinal Immobilization – rapid manual extrication	X

AEMT Scope of Practice



West Virginia Office of Emergency Medical Services Policies and Procedures

EMS Scope of Practice

Splinting – manual	X
Splinting – Pelvic wrap	X
Splinting – Rigid	X
Splinting – Soft	X
Splinting – Traction	X
Splinting – Vacuum	X
Chemical patient restraints	
Mechanical patient restraints	X
Emergency patient moves	X
Medication Administration (Routes ONLY)	AEMT
Assisting a patient with prescribed medications	X
Aerosolized	X
Buccal	X
Endotracheal tube (ET)	
Inhaled – self-administered	X
Intramuscular (IM)	X
Intranasal (IN)	X
Intraosseous	X
Intravenous push (IVP)	X
Intravenous piggyback	X
Nasogastric	X
Oral (PO)	X
Rectal	X
Subcutaneous (SQ)	X
Sublingual (SL)	X
Transdermal	
Auto-injector (self or peer)	X
Auto-injector (patient)	X
IV Initiation / Maintenance Fluids	AEMT
Access indwelling catheters and implanted IV ports (Does not include PICC lines)	
Central line monitoring	
Central line use	
Epidural catheters – maintain & monitor	X
Intraosseous initiation (proximal tibia, distal tibia, proximal humerus)	X
Intravenous access	X
Intravenous initiation – peripheral	X

AEMT Scope of Practice



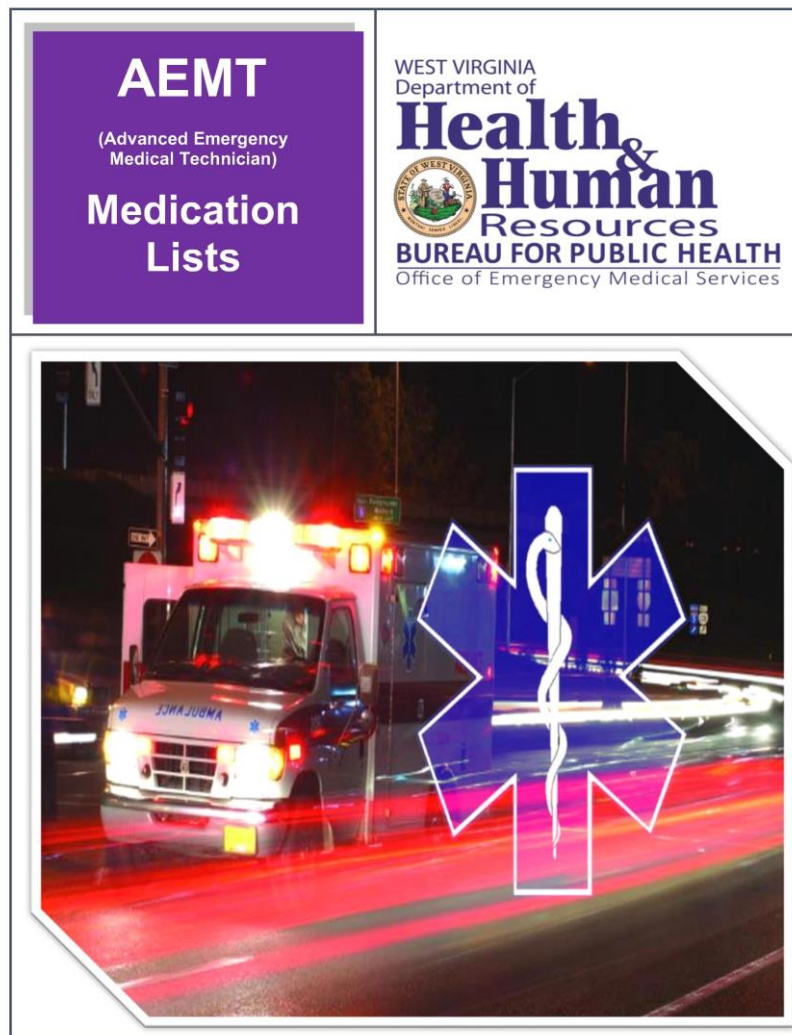
West Virginia Office of Emergency Medical Services Policies and Procedures

EMS Scope of Practice

Intravenous – maintenance of non-medicated fluids	X
IV Pump – multi-channel	
PICC Line Access and use	
Saline Lock Initiation	X
Saline Lock monitoring	X
Thrombolytic/fibrinolytic therapy - initiation	
Thrombolytic/fibrinolytic therapy - monitoring	
Umbilical catheter insertion	
Umbilical catheter management	
Miscellaneous	AEMT
Assisted delivery	X
Blood Glucose Monitoring	X
Blood Pressure – Automated	X
Blood Pressure – Manual	X
Eye Irrigation	X
Eye Irrigation – Morgan lens	X
ICP Monitoring	
Urinary catheter insertion	
Urinary catheterization monitoring and maintenance	X
Phlebotomy – Venous	X
Portable Outpatient Fixed Medication Pump	X
PCA Pump Monitoring	X
Pronouncement of Death	X
Patient Assessments	X
Vital signs	X

X

New AEMT Medication List



West Virginia Office of Emergency Medical Services Certification Policies

New AEMT Medication List

Acetaminophen (Tylenol®), 160mg/5mL oral suspension
Albuterol, 2.5mg/3mL unit dose ampule
Albuterol/Ipratropium (Duo-Neb®), 2.5mg/0.5mg in 3mL unit dose ampule
Amiodarone, 450mg total (May be substituted with Lidocaine)
Amiodarone, 150mg pre-mixed solution (May be substituted with Lidocaine)
Aspirin, 81mg chewable tablets
Adenosine (Adenocard®), 18mg total
Atropine, 1mg pre-loaded syringe
Combivent® - OR - Duoneb® - 2.5mg Albuterol mixed with 0.5mg Ipratropium Bromide
D ⁵⁰ W, 25g pre-loaded syringe
D ²⁵ W
D ¹⁰ W
Epinephrine, 1:10,000, 1mg pre-loaded syringe
Epinephrine, 1:1000
EpiPen
EpiPen Jr.
Furosemide (Lasix®), 80mg total
Glucagon, 1mg
Ipratropium Bromide (Atrovent®) 500 microgram unit dose ampules
Lidocaine (Xylocaine®), 100mg pre-loaded syringe (May be substituted with Amiodarone.)
Lidocaine (Xylocaine®), 1gm pre-mixed solution (May be substituted with Amiodarone.)
Naloxone (Narcan®), 4mg total
Nitroglycerin, 0.4mg (1/150) tablets or spray
Normal Saline (0.9%), 1,000ml
Ondansetron (Zofran®), 8mg total
Ondansetron (Zofran®) 4mg ODT
Oral Glucose, 15g tubes
Tetracaine

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