



Carroll County Department of Fire & EMS

Standard Operating Procedure: 3.43	Effective Date: July 10, 2024
Subject: Intravenous Technician (IVT) Program	Section: Emergency Medical Services
Authorized: Eric Zaney, Assistant Chief of EMS	Revision Date: N/A

I. PURPOSE

The Carroll County Department of Fire and EMS has chosen to participate in the Maryland Institute for Emergency Medical Services Systems (MIEMSS) optional Emergency Medical Technician – Intravenous Technician (IVT) program. This optional program allows CCDFEMS to train and certify clinicians already certified in Maryland as an EMT-Basic in the skills necessary to provide pre-hospital intravenous therapy.

II. APPLICABILITY

This policy applies to Carroll County Department of Fire and EMS career and volunteer personnel.

III. DEFINITIONS

MIEMSS: Maryland Institute of Emergency Medical Services Systems

EMT-B: Emergency Medical Technician Basic

IVT: Intravenous Technician

IV. PROCEDURES

1. Requirements

- a. Hold an active, unrestricted certification as an Emergency Medical Technician Basic in the state of Maryland as outlined in COMAR 30.02.02 Licensure and Certification.
- b. Maintain active EMS affiliation with Carroll County DFEMS.

- c. Complete the CCDFEMS approved Intravenous Technician (IVT) training program which meets or exceeds the following core requirements:
 - i. EMT-B Intravenous Technician students shall receive a minimum of 8 hours of didactic and classroom skills training. A minimum of 1 hour of this training will be specific to traumatic injuries.
 - ii. EMT-B Intravenous Technician students must successfully pass a fifty-question final written examination with a minimum score of seventy percent (70%).
 - d. Complete the CCDFEMS approved clinical / field practicum which meets or exceeds the following:
 - i. EMT-B Intravenous Technician students must successfully perform fifteen (15) IV sticks in either a hospital or field setting.
 - ii. All field practicum activities will be performed under the direct supervision of a CCDFEMS approved ALS clinician or an approved CCDFEMS IVT level preceptor.
 - iii. All IV sticks, both successful and unsuccessful, shall be documented using the approved CCDFEMS IV skills check off sheet.
 - iv. Upon completion of the field practicum portion of the program the EMT-B Intravenous Technician student will forward a completed CCDFEMS IV skills check off sheet to the Assistant Chief of EMS via their respective chain of command.
 - e. Upon verification of course requirements the EMT-B Intravenous Technician student will be issued a CCDFEMS IV-Technician certification. This certification will display an expiration date coinciding with the clinician's current EMT-B certification. A IVT certification is concurrent with the clinician's EMT-B certification.
2. Reciprocity – Out of Jurisdiction IVT certification
- a. Clinicians holding a current EMT-B IVT certification from another Maryland jurisdiction may request to obtain IVT status in Carroll County. This request must be made in writing to the CCDFEMS Assistant Chief of EMS via the clinician's respective chain of command.
 - b. A request for EMT-B IVT reciprocity must contain the following:
 - i. A written request by the clinician requesting reciprocity.
 - ii. Documentation on jurisdictional letter head attesting that the clinician holds an unrestricted active EMT-B IVT status within that jurisdiction.
 - iii. Documentation verifying the clinician's completion of an approved Intravenous Technician training program which meets or exceeds the requirements of CCDFEMS.
 - c. Upon verification of the successful completion of the reciprocity requirements, the reciprocity applicant will be issued a CCDFEMS IV Technician certification. This certification will display an expiration date coinciding with the clinician's current EMT-B certification. A IVT certification is concurrent with the clinician's EMT-B certification.

3. Reciprocity – Allied Health Clinicians
 - a. Current Maryland certified EMT-B clinicians who also hold a certification or licensure in an approved allied health profession may apply to receive Intravenous Technician certification reciprocity.
 - b. A request for EMT-B IVT allied health reciprocity must contain the following:
 - i. A written request from the clinician requesting allied health reciprocity.
 - ii. Documentation of the clinicians allied health certification and/or license.
Example:
 - Registered Nurse (RN) – Clinical setting requiring IV insertion
 - Nurse Practitioner (NP) – Clinical setting requiring IV insertion
 - Physician Assistant (PA) – Clinical setting requiring IV insertion
 - Physician (DO/MD) – Clinical setting requiring IV insertion
 - Military Medical Providers – Clinical setting requiring IV insertion
 - c. Provide documentation verifying the clinicians allied health training and education which meets or exceeds the Intravenous Technician requirements of CCDFEMS.
 - d. Provide documentation of the successful completion of a BLS trauma education program (i.e. ITLS, PHTLS, TECC etc.) within 3 years of application.
 - e. Upon submission and review of the allied health reciprocity documentation the Carroll County Medical Director in conjunction with the Assistant Chief of EMS will either approve or disapprove the allied health reciprocity request.
 - f. Each allied health reciprocity request will be evaluated on a case-by-case basis with the ultimate decision to approve or disapprove residing with the Carroll County Medical Director.
 - g. Once allied health reciprocity is approved the applicant will be issued a CCDFEMS IV-Technician certification. This certification will display an expiration date coinciding with the clinician's current EMT-B certification. A IVT certification is concurrent with the clinician's EMT-B certification.
4. Recertification
 - a. Clinicians must maintain an active and unrestricted Maryland EMT-B certification.
 - b. Clinicians must complete all Maryland EMT-B recertification requirements for Emergency Medical Technician – Basic.
 - c. Clinicians must successfully complete an approved CCDFEMS IV-Technician recertification module.
 - d. Provide documentation of (10) successful IV sticks within the most recent 3 year certification cycle.

IV. RECISION

This Standard Operating Procedure rescinds all directives regarding Intravenous Technician (IVT) Program or similar content previously issued for personnel of the Carroll County Department of Fire & EMS.