



Standard Guide for Training the Emergency Medical Technician (Basic) in Basic Anatomy and Physiology¹

This standard is issued under the fixed designation F 1329; the number immediately following the designation indicates the year of original adoption or, in the case of revision, the year of last revision. A number in parentheses indicates the year of last reapproval. A superscript epsilon (ϵ) indicates an editorial change since the last revision or reapproval.

1. Scope

1.1 This guide establishes the minimum national standard for training the emergency medical technician (basic) in basic anatomy and physiology.

1.2 This guide is one of a series which together describe the minimum training standard for the emergency medical technician (basic).

2. Referenced Documents

2.1 ASTM Standards:

F 1031 Practice for Training the Emergency Medical Technician (Basic)²

F 1177 Terminology Relating to Emergency Medical Services²

F 1219 Guide for Training the Emergency Medical Technician (Basic) to Perform Patient Initial and Detailed Assessment²

3. Terminology

3.1 Definitions of Terms Specific to This Standard:

3.1.1 *anatomy*—the branch of science dealing with the structure of the human organism.

3.1.2 *physiology*—the science dealing with the functions of the human organism.

4. Significance and Use

4.1 This guide establishes the minimum national training standard in basic anatomy and physiology for the emergency medical technician (basic).

4.2 This guide shall be used by those who wish to identify the minimum training standard of the Emergency Medical Technician (basic) as it relates to basic anatomy and physiology.

4.3 This guide shall be used as a basis to revise Practice F 1031.

4.4 Every person who is identified as an Emergency Medical Technician (basic) shall be trained to this standard.

4.5 This guide must be used in conjunction with Practice F 1031, Guide F 1219 and Terminology F 1177.

5. Anatomy and Physiology

5.1 The Emergency Medical Technician (basic) shall describe the basic anatomy and physiology of the major body systems and the differences that exist because of age and gender, which include:

- 5.1.1 Respiratory,
- 5.1.2 Circulatory,
- 5.1.3 Muscular,
- 5.1.4 Skeletal,
- 5.1.5 Nervous,
- 5.1.6 Digestive,
- 5.1.7 Genitourinary,
- 5.1.8 Reproductive,
- 5.1.9 Integumentary, and
- 5.1.10 Endocrine.

6. Anatomic Terms

6.1 The Emergency Medical Technician (basic) shall define anatomic terms, which include:

- 6.1.1 Medial,
- 6.1.2 Lateral,
- 6.1.3 Proximal,
- 6.1.4 Distal,
- 6.1.5 Superior,
- 6.1.6 Inferior,
- 6.1.7 Anterior,
- 6.1.8 Posterior,
- 6.1.9 Midline,
- 6.1.10 Right,
- 6.1.11 Left,
- 6.1.12 Mid-clavicular, and
- 6.1.13 Mid-axillary.

7. Keywords

7.1 basic anatomy and physiology; emergency medical technician (basic); emt

¹ This guide is under the jurisdiction of ASTM Committee F30 on Emergency Medical Services and is the direct responsibility of Subcommittee F30.02 on Personnel, Training and Education.

Current edition approved Oct. 10, 2000. Published December 2000. Originally published as F 1329 – 91. Last previous edition F 1329 – 91 (1998).

² *Annual Book of ASTM Standards*, Vol 13.02.

ASTM International takes no position respecting the validity of any patent rights asserted in connection with any item mentioned in this standard. Users of this standard are expressly advised that determination of the validity of any such patent rights, and the risk of infringement of such rights, are entirely their own responsibility.

This standard is subject to revision at any time by the responsible technical committee and must be reviewed every five years and if not revised, either reapproved or withdrawn. Your comments are invited either for revision of this standard or for additional standards and should be addressed to ASTM International Headquarters. Your comments will receive careful consideration at a meeting of the responsible technical committee, which you may attend. If you feel that your comments have not received a fair hearing you should make your views known to the ASTM Committee on Standards, at the address shown below.

This standard is copyrighted by ASTM International, 100 Barr Harbor Drive, PO Box C700, West Conshohocken, PA 19428-2959, United States. Individual reprints (single or multiple copies) of this standard may be obtained by contacting ASTM at the above address or at 610-832-9585 (phone), 610-832-9555 (fax), or service@astm.org (e-mail); or through the ASTM website (www.astm.org).