



Standard Guide for Scope of Performance of Triage in a Prehospital Environment¹

This standard is issued under the fixed designation F 1653; 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.

INTRODUCTION

Triage is a word taken from the French verb *trier*, that means “to sort”. During the time of the Napoleonic wars, a technique for assigning priorities to the treatment of battlefield casualties was established in order to maximize the use of limited resources. The basic principle of triage is to do the greatest good for the greatest number of casualties. Care is provided first to those with the most serious emergencies and to those who are most salvageable. This technique is identified as essential for good disaster medical care.

1. Scope

1.1 This guide covers minimum requirements for the scope of performance for individuals who perform triage at an emergency medical incident involving multiple casualties in a pre-hospital environment.

1.2 This guide acknowledges objectives based on an individual’s required knowledge of signs and symptoms, patient assessment and basic life support.

1.3 Operating within the framework of this guide may expose personnel to hazardous materials, procedures, and equipment. For additional information see Practice F 1031, Guides F 1219, F 1253, F 1285, F 1287, F 1288, F 1489 and F 1651.

1.4 *This standard does not purport to address all of the safety concerns, if any, associated with its use. It is the responsibility of the user of this standard to establish appropriate safety and health practices and determine the applicability of regulatory limitations prior to use.* For specific precautionary statements, see Footnote 3.²

2. Referenced Documents

2.1 ASTM Standards:

F 1031 Practice for Training the Emergency Medical Technician (Basic)³

F 1177 Terminology Relating to Emergency Medical Services³

¹ This guide is under the jurisdiction of ASTM Committee F-30 on Emergency Medical Services and is the direct responsibility of Subcommittee F30.02 on Personnel, Training and Education.

Current edition approved Oct. 10, 1995. Published December 1995.

² Most recent “Guidelines for Cardiopulmonary Resuscitation and Emergency Cardiac Care,” as reprinted from the *Journal of the American Medical Association*, available from American Heart Association, 7320 Greenville Avenue, Dallas, TX 75231.

³ *Annual Book of ASTM Standards*, Vol 13.01.

F 1219 Guide for Training the Emergency Medical Technician (Basic) to Perform Patient Primary Assessment³

F 1253 Guide for Training the Emergency Medical Technician (Basic) to Perform Patient Secondary Assessment³

F 1285 Guide for Training the Emergency Medical Technician (Basic) to Perform Patient Examination Techniques³

F 1287 Guide for the Scope of Performance of First Responders Who Provide Emergency Medical Care³

F 1288 Guide for Planning for and Response to a Multiple Casualty Incident³

F 1489 Guide for the Performance of Patient Assessment by the Emergency Medical Technician (Paramedic)³

F 1651 Guide for Training the Emergency Medical Technician (Paramedic)

3. Terminology

3.1 Definitions of Terms Specific to This Standard:

3.1.1 *ongoing triage, n*—the continuing process of patient assessment and prioritization in a multiple casualty incident. (Also known as *secondary* and *tertiary*).

3.1.2 *primary triage, n*—the initial process of rapid assessment, provision of life saving interventions and assignment of visual priority identification to each patient in a multiple casualty incident.

3.1.3 *triage, n*—the process of sorting and prioritizing care of the sick and injured on the basis of urgency and type of condition present, as well as the number of patients and resources available. The objective is to properly treat and transport patients to medical facilities appropriately situated and equipped for their care.

3.2 For definitions of other terms used in this guide, refer to Terminology F 1177.

4. Significance and Use

4.1 This guide is not intended to be used by itself, but as a component of Guide F 1288. Merely conforming to the guidelines described herein will not ensure that adequate triage is carried out in a multiple casualty incident.

4.2 The purpose of this guide is to establish a methodology for performing triage.

4.3 Individuals responsible for performing triage must be proficient in triage methods and related life-saving techniques.

4.4 A basic concept of triage is to do the greatest good for the greatest number of casualties.

4.5 The assessment process must be focused so as to identify those most at risk of early death who are likely to be salvaged by rapid medical intervention.

4.6 Triage allows the most efficient use of available resources.

4.7 This guide acknowledges many types of individuals with varying levels of emergency medical training. It also establishes a minimum scope of performance and encourages the addition of optional knowledge, skills and attitudinal objectives.

4.8 A vital role in the development of and operational application of triage is that of medical control. This guide should be used by medical directors in the determination of operational and medical protocols for use during MCI's.

4.9 This guide is intended to assist those who are responsible for defining the scope of performance of individuals who perform triage.

4.10 For the purpose of this guide the word "injured" includes both sick or injured patients, or both.

5. Objectives

5.1 *Required Objectives*—These objectives are in an order suggesting a particular performance sequence although some may be performed concurrently. Some incidents may not require performance of all objectives. Individuals who perform triage shall be able to:

5.1.1 Identify health and safety hazards and initiate appropriate actions.

5.1.2 Recognize an incident that may require triage.

5.1.3 Determine the need for and request additional resources.

5.1.4 Initiate incident command Guide F 1288.

5.1.5 Identify conditions which may dictate a decision to treat patients at the scene or transfer them to a designated treatment area.

5.1.6 Initiate Primary Triage.

5.1.6.1 Identify victims who appear to be uninjured or minimally injured and able to help themselves, and direct them to a designated area of safety.

5.1.6.2 Perform a rapid assessment of the remaining victims. Check respiratory status, circulatory status and level of consciousness.

5.1.6.3 Immediate medical interventions should be limited to opening the airway and controlling gross hemorrhage. These interventions should not stop the process of triage.

5.1.6.4 Assign a triage priority to each victim, including the uninjured, and use a visual marker for individual identification. Patients are placed into the following categories in accordance with the assessment outcome and in accordance with the local standard of medical care.

5.1.6.4.1 *First Priority/Immediate (RED)*—Those patients with serious injuries that are life threatening but have a high probability of survival.

5.1.6.4.2 *Second Priority/Delayed (YELLOW)*—Those patients who are seriously injured and whose lives are not immediately threatened. The triage category of these patients may change to first priority based on medical resources at any time during an incident.

5.1.6.4.3 *Third Priority/Minor (GREEN)*—Those patients who are injured but do not require immediate medical attention and those apparently not physically injured.

5.1.6.4.4 *Fourth Priority/Dead/Mortally Wounded (BLACK)*—Those patients who are obviously dead as determined by medical protocol or those patients with severe injuries and a low probability of survival, despite immediate care. As this is a difficult field decision, actual practice may be to provide treatment and transportation.

5.1.6.5 Arrange for transfer of patients based on highest priority first, to a location where they can receive the appropriate level of care.

5.1.7 Initiate Ongoing Triage.

5.1.8 Document triage priority, assessment, treatment rendered and patient identification.

5.1.9 Continue transferring patients by highest priority as resources become available.

5.1.10 Triage is a dynamic process. It will be repeated and performed as necessary during an event and in other phases of the continuum of care.

5.2 *Optional Objectives:*

5.2.1 Demonstrate a knowledge of the principles of the Incident Command System (ICS).


5.2.2 Describe critical incident stress, its impact on rescuers and the availability of resources.

6. Keywords

6.1 emergency medical service (EMS); incident command system (ICS); triage

The American Society for Testing and Materials 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 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, 100 Barr Harbor Drive, West Conshohocken, PA 19428.

 **F 1653**

This standard is copyrighted by ASTM, 100 Barr Harbor Drive, 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 (<http://www.astm.org>).